

$\text{P}^{\text{K}}\text{C}-\text{C}_{\text{„}}\text{P}_{\text{u}}\text{PrP}^{\text{e}}\text{P}^{\text{i}}\text{C}-\text{PS C}'' \text{P}^{\text{o}}\text{PSC}, \text{P}^{\text{o}}\text{PiPsPSC}-\text{C}^{\text{I}}\text{C}, \text{PsPj PeP}^{\text{o}}\text{P} \gg \text{CHC}^{\text{I}}\text{C}-\text{C}^{\text{H}} \text{1,4-}$
 $\text{PrP}^{\text{e}}\text{PiC}-\text{PrC}^{\text{H}}\text{PsPiC}-\text{C}^{\text{H}}\text{P}^{\text{e}}\text{PrP}^{\text{e}}\text{PSPsPiPs C}, \text{P}^{\text{e}}\text{PiC}^{\text{r}}. \text{P}^{\text{H}}\text{PSC}, \text{P}^{\text{o}}\text{PiPsPSC}-\text{C}^{\text{I}}\text{C}, \text{P}^{\text{e}}$
 $\text{PeP}^{\text{o}}\text{P} \gg \text{CHC}^{\text{I}}\text{C}-\text{C}^{\text{H}} \text{PiP}^{\text{o}}\text{P} \gg \text{CHP}^{\text{I}}\text{C}^{\text{r}}\text{C}^{\text{H}}\text{C}, \text{CH}^{\text{H}} \text{C}, \text{C}^{\text{H}}\text{P}^{\text{o}}\text{PSC}^{\text{I}}\text{P}^{\text{I}}\text{PuPiP} \pm \text{C}^{\text{H}}\text{P}^{\text{o}}\text{PSPSP}^{\text{e}}\text{Pn}_{\text{o}} \text{PiPsC}, \text{C}-\text{Pe}$

C-PsPSC-PI PeP°P»CHC†C-CḤ Cr PeP»C-C,PëPSCr C‡PμCḤPμP· CrPīPsPIC-P»CHbPSPμPSPSCl
PeP°P»CHC†C-C”PIPsPiPs PeP°PSP°P»Cr. PīPe CḤPīPμC†PëC,,C-C‡PSPëPNë C,P°
PīPsC,CrP¶PSPëPNë P°PSC,P°PiPsPSC-CḤC, PeP°P»CHC†C-CḤ PSC-C,,PμPrPëPīC-PS PrC-C”
P·PsPeCḤPμPjP° PSP° PeP»C-C,PëPSPë PjC-PsPeP°CḤPrP° C,P° PiP»P°PrPePëC... PjbḤ™ ClP·C-PI
PePsCḤPsPSP°CḤPSPëC... P°CḤC,PμCḤC-PNë, P° C,P°PePsP¶ P·PjPμPSC€CrC”
PīPμCḤPëC,,PμCḤPëC‡PSPëPNë CḤC†PrPëPSPSPëPNë PsPīC-CḤ. PhCḤPSPsPIPsPsCḤ PrC-C”CḤ
PSC-C,,PμPrPëPīC-PSCr C” CḤPsP·CḤP»P°P±P»PμPSPSCl PiP»P°PrPePëC... PjbḤ™ ClP·C-PI
PePsCḤPsPSP°CḤPSPëC... P°CḤC,PμCḤC-PNë C,P° PīPμCḤPëC,,PμCḤPëC‡PSPëC... CḤC†PrPëPS.
PḤPsCḤPrPëPīC-PS XL P· PePsPSC,CḤPsP»CHbPsPIP°PSPëPj PIPëPIC-P»CHbPSPμPSPSClPj
PSC-C,,PμPrPëPīC-PSCr CḤPsP·CḤPsP±P»PμPSPëPNë PrP»Cl PrPsCḤCḤPiPSPμPSPSCl
PμC,,PμPeC,Cr PīCḤPë PeP»C-PSC-C‡PSPsPjCr P·P°CḤC,PsCḤC†PIP°PSPSC- CḤP°P· PSP°
PrPsP±Cr.

PμCḤPë P°CḤC,PμCḤC-P°P»CHbPSC-PNë PiC-PīPμCḤC,PμPSP·C-C— PiPsP»PsPIPsPsCḤ PrC-C”CḤ
PSC-C,,PμPrPëPīC-PSCr C” PīPμCḤPëC,,PμCḤPëC‡PSP° PIP°P·PsPrPëP»P°C,P°C†C-Cl, C°Ps
PīCḤPëPIPsPrPëC,CH PrPs P·PSPëP¶PμPSPSCl PīPμCḤPëC,,PμCḤPëC‡PSPsPiPs
CḤC†PrPëPSPSPsPiPs PsPīPsCḤCr. P—P°CḤC,PsCḤC†PIP°PSPSCl PSC-C,,PμPrPëPīC-PSCr 1
CḤP°P· PSP° PrPsP±Cr P·P°P±PμP·PīPμC†CrC” 24-PiPsPrPëPSPSPëPNë PePsPSC,CḤPsP»CHb
PīC-PrPIPëC°PμPSPsPiPs P°CḤC,PμCḤC-P°P»CHbPSPsPiPs C,PëCḤPeCr. PkC-C,,PμPrPëPīC-PS
P·PjPμPSC€CrC” P°CḤC,PμCḤC-P°P»CHbPSPëPNë C,PëCḤPe C,P°PePëPj C‡PëPSPsPj, C°Ps
PIC-PrCḤPsC,PsPe P·PSPëP¶PμPSPSCl PīCḤCḤPjPs PīPsPIbḤ™ ClP·P°PSPëPNë P·
PīPsC‡P°C,PePsPIPëPj CḤC-PIPsPμPj C,PëCḤPeCr. Pj P»CḤPrPμPNë P·
PSPsCḤPjP°P»CHbPSPëPj CḤC-PIPsPμPj P°CḤC,PμCḤC-P°P»CHbPSPsPiPs C,PëCḤPeCr
PSC-C,,PμPrPëPīC-PS PjP°C” PSPμP·PSP°C‡PSPëPNë PIPīP»PëPI P°P±Ps PIP·P°PiP°P»C-
PSPμ PIPīP»PëPIP°C” PSP° P°CḤC,PμCḤC-P°P»CHbPSPëPNë C,PëCḤPe.

PμCḤPë CḤC,PμPSPsPeP°CḤPrC-C— PSC-C,,PμPrPëPīC-PS P·PjPμPSC€CrC”
PīPμCḤPëC,,PμCḤPëC‡PSPëPNë C,P° PePsCḤPsPSP°CḤPSPëPNë PsPīC-CḤ CḤC†PrPëPS,
P·P±C-P»CHbC€CrCḤC‡Pë PePsCḤPsPSP°CḤPSPëPNë PīPsC,C-Pe PeCḤPsPIC-,
CḤPμCḤC†PμPIPëPNë PIPëPePëPr C,P° CrPrP°CḤPSPëPNë PsP±bḤ™ C”Pj, PIPsPrPSPsC‡P°CḤ
P·PjPμPSC€CrCḤC‡Pë PīPsCḤC,PSP°PIP°PSC,P°P¶PμPSPSCl.

PḤP°PePsP¶ PSC-C,,PμPrPëPīC-PS CḤC†P±PjP°PeCḤPëPjP°P»CHbPSPs CḤPsP·C€PëCḤCḤC” ClPe
C‡PëCḤC,C- PePsCḤPsPSP°CḤPSC- P°CḤC,PμCḤC-C—, C,P°Pe C-
P°C,PμCḤPsCḤPeP»PμCḤPsP·PsPIP°PSC-, C,P°PePëPj C‡PëPSPsPj P·P°C...PëC°P°CḤC‡Pë
CḤPμCḤC†Pμ PIC-Pr CḤPīP°P·PjCr PePsCḤPsPSP°CḤPSPëC... P°CḤC,PμCḤC-PNë,
PīPsPeCḤP°C°CrCḤC‡Pë PīPμCḤC,,CrP·C-CḤ C-C€PμPjC-P·PsPIP°PSPsPiPs PjC-PsPeP°CḤPrP°.

PkC-C,,PμPrPëPīC-PS P·PjPμPSC€CrC” C‡P°CḤC,PsC,Cr PSP°PīP°PrC-PI P±PsP»CḤ C,P°
C-C€PμPjC-C‡PSPëC... P·PjC-PS PSP° P·PḤP” PSPμP·P°P»PμP¶PSPs PIC-Pr
PIC-PrPSPsCḤPSPsPiPs PIPSPμCḤPeCr CḤPīP°P·PjCr PePsCḤPsPSP°CḤPSPëC... P°CḤC,PμCḤC-PNë
C,P° P°C,PμCḤPsCḤPeP»PμCḤPsP·Cr.

P”C-C,Pë

PkP°ClPIPSC- PsP±PjPμP¶PμPSC- PrP°PSC- C°PsPrPs PīPsCḤC-PIPsCḤPSPSCl
PSC-C,,PμPrPëPīC-PSCr P· C-PSC€PëPjPë P°PSC,PëPiC-PīPμCḤC,PμPSP·PëPIPsPëPjPë
P·P°CḤPsP±P°PjPë Cr CḤC-P·PSPëC... P»C-PeP°CḤCḤPePëC... C,,PsCḤPjP°C... C,P° PI
CḤC-P·PSPëC... PrPsP·CrPIP°PSPSClC... PrP»Cl P»C-PeCrPIP°PSPSCl PiPsCḤC,CḤPsP—
P°CḤC,PμCḤC-P°P»CHbPSPsC— PiC-PīPμCḤC,PμPSP·C-C— C,P° PrPsPIPiPsCḤC,CḤPsPePsPIPsC—
P°CḤC,PμCḤC-P°P»CHbPSPsC— PiC-PīPμCḤC,PμPSP·C-C—. PkC-C,,PμPrPëPīC-PS

80 % PjPµC,P°P±PsP»C-C, C-PI PIPëPIPsPrPëC, CHCÍCÍ C-P· CÍPµC±PµCĤ, CĤPµC€C, P° BĤ“ P· C,, PµPeP°P»C-CÍPjPë. PĤPµPSC€Pµ 0,1 % PSC-C,, PµPrPëPîC-PSCr CÍ PSPµP·PjC-PSPµPSPsPjCÍ PIPëPiP»CÍPPrC- PIPëPIPsPrPëC, CHCÍCÍ C-P· CÍPµC±PµCĤ. PµPµCĤC-PsPr PSP°PîC-PIPIPëPIPµPrPµPSPSCÍ PîC-CÍP»CÍ PîPµCĤPsCĤP°P»CHPSPsPiPs PîCĤPëPM₂PsPjCÍ C,P°P±P»PµC,PePë P· PjPsPrPëC,,C-PePsPIP°PSPëPj PIPëPIC-P»CHPSPµPSPSCÍPj CÍC,P°PSPsPIPëC, CH 8BĤ“10 PiPsPrPëPS; PIC-PS PjPsP¶Pµ P±CÍC,Pë PrPµC%oPs PiPsPrPsPIP¶PµPSPëPj CÍ PiP°C†C-C”PSC, C-PI P· PSPëCĤPePsPIPsCĤ PSPµPrPsCÍC,P°C,PSC-CÍC,CĤ. PµCĤPë PSPµPsP±C...C-PrPSPsCÍC,C- PI C,P°PePëC... PIPëPiP°PrPeP°C... P·PjPµPSC€CÍCĤC, CH PrPsP·CÍ PîCĤPµPîP°CĤP°C,CÍ.

PJ PSPμP·PSP°C‡PSPëC... PeC-P»CHPePsCfC,CfC... PSC-C,,PμPrPëPïC-PS PïCfPSPëPeP°C”
PeCfC-P·CH PiPμPjP°C,PsPμPSC‡PμC,,P°P»C-C‡PSPëPNë P±P°CfPb™ C”Cf,
PjPsP¶P»PëPIPs, PïP»P°C‡PμPSC,P°CfPSPëPNë P±P°CfPb™ C”Cf, P° C,P°PePsP¶
PïCfPsPSPëPeP°C” Cí PjP°C,PμCfPëPSCfCHPePμ PjPsP»PsPePs.

PμCfPë PiPμPjPsPrC-P°P»C-P·C- PïCfPμPïP°CfP°C, PïCfP°PeC,PëC‡PSPs PSPμ
PIPëPrP°P»CfC”C,CHCfCf. P”P»Cf PIPëPrP°P»PμPSPSCf PïCfPμPïP°CfP°C,Cí P±CíPrPμ
PePsCfPëCfPSPëPj PïP»P°P·PjP°C,,PμCfPμP·.

PμP»C-PSC-C‡PSC- C...P°CfP°PeC,PμCfPëCfC,PëPePë.

PμPsPeP°P·P°PSPSCf.

- P>C-PeCíPIP°PSPSCf P°CfC,PμCfC-P°P»CHPSPsC— PiC-PïPμCfC,PμPSP·C-C—.
- PμCfPsC,,C-P»P°PeC,PëPeP° CfC,P°P±C-P»CHPSPsC— CfC,PμPSPsPeP°CfPrC-C—
PSP°PïCfCíPïPë b™” CfPe PjPsPSPsC,PμCfP°PïC-Cf P°P±Ps PI PePsPjP±C-PSP°C‡C-C— P·
P±PμC,P°-P±P»PsPeP°C,PsCfP°PjPë (PIP°P·PsCfPïP°CfC,PëC‡PSP° C,P° CfC,P°P±C-P»CHPSP°
CfC,PμPSPsPeP°CfPrC-Cf PSP°PïCfCíPïPë).

PμCfPsC,PëPïPsPeP°P·P°PSPSCf.

PμPsCfPrPëPïC-PS XL PïCfPsC,PëPïPsPeP°P·P°PSPs P·P°CfC,PsCfPsPICíPIP°C,Pë:
PïP°C‡C-C”PSC,P°Pj C-P· PïC-PrPIPëC%oPμPSPsCf C‡CíC,P»PëPIC-CfC,Cf PrPs
PSC-C,,PμPrPëPïC-PSCí P°P±Ps PrPs C-PSCëPëC... PrPëPïC-PrCfPsPïC-CfPëPrPëPSC-PI
C‡PμCfPμP· CfPëP·PëPe PïPμCfPμC...CfPμCfPSPsC— CfPμP°PeC,PëPIPSPsCfC,C-;
PïP°C‡C-C”PSC,P°Pj C-P· PïC-PrPIPëC%oPμPSPsCf C‡CíC,P»PëPIC-CfC,Cf PrPs P±CíPrCH-
CfPePsPiPs PePsPjPïPsPSPμPSC,P° PïCfPμPïP°CfP°C,Cí.

PμPsCfPrPëPïC-PS XL PïCfPsC,PëPïPsPeP°P·P°PSPs P·P°CfC,PsCfPsPICíPIP°C,Pë Cí
PIPëPïP°PrPeCí PeP°CfPrC-PsPiPμPSPSPsPiPs CëPsPeCí, P°PsCfC,P°P»CHPSPsPiPs
CfC,PμPSPsP·Cí PIPëCfPsPePsPiPs CfC,CíPïPμPSCf, PSPμCfC,P°P±C-P»CHPSPsC—
CfC,PμPSPsPeP°CfPrC-C— P°P±Ps PïC-Pr C‡P°Cf C,P° PïCfPsC,CfPiPsPj 4 C,PëP¶PSC-PI
PïC-CfP»Cf C-PSC,,P°CfPeC,Cí PjC-PsPeP°CfPrP°.

PμPsCfPrPëPïC-PS XL PSPμ P·P°CfC,PsCfPsPICíPIP°C,Pë PrP»Cf P»C-PeCíPIP°PSPSCf
PiPsCfC,CfPsPiPs PSP°PïP°PrCí CfC,PμPSPsPeP°CfPrC-C—.

P’PμP·PïPμPeP° PμPsCfPrPëPïC-PSCí XL PSPμ PrPsCfP»C-PrP¶PμPSP° PrP»Cf
P»C-PeCíPIP°PSPSCf P·P»PsCfPeC-CfPSPsC— PiC-PïPμCfC,PμPSP·C-C—.

PμPsCfPrPëPïC-PS XL PSPμ P·P°CfC,PsCfPsPICíPIP°C,Pë PrP»Cf PIC,PsCfPëPSPSPsC—
PïCfPsC,,C-P»P°PeC,PëPePë C-PSC,,P°CfPeC,Cí PjC-PsPeP°CfPrP°.

P§PμCfPμP· C,CfPëPIP°P»Cí PrC-Cf PμPsCfPrPëPïC-PS XL PSPμ CfP»C-Pr
PïCfPëP·PSP°C‡P°C,Pë PïP°C‡C-C”PSC,P°Pj P· PïPsCfCíCëPμPSPSCfPj C,,CíPSPeC‡C-C—
PïPμC‡C-PSPëPë.

PμCfPsC,PëPïPsPeP°P·P°PSP° PePsPjP±C-PSP°C‡C-Cf PμPsCfPrPëPïC-PSCí XL P·

*P†PSPiC-P±C-C,PsCḡPē P°PSC,Pē-P'P†P> PīCḡPsC,PμP°P·Pē (PSP°PīCḡPēPeP»P°Pr,
CḡPēC,PsPSP°PIC-Cḡ)*

P"PsCīP»C-PrP¶PμPSPSCḡ PIP·P°C" PjPsPrC-C— PSC-C,,PμPrPēPīC-PSCr C,P°
C-PSPiC-P±C-C,PsCḡC-PI P°PSC,Pē-P'P†P> PīCḡPsC,PμP°P·Pē PSPμ PīCḡPsPIPsPrPēP»Pē.
P'C-PrPsPjPs, C%Ps PīCḡPμPīP°CḡP°C,Pē C†CHbPsPiPs PeP»P°CīCr C-PSPiC-P±CḡC,CH
CīPēCīC,PμPjCr C†PēC,PsC...CḡPsPjCr P 450 3Pḡ4. PḡCḡC-Pj C,PsPiPs,
P»C-PeP°CḡCīCHbPePsPiPs P·P°CīPsP±Cḡ C†CHbPsPiPs PeP»P°CīCr C-PSPiC-P±CḡC,CH *in
vitro* PsPiPsCīPμCḡPμPrPePsPIP°PSPēPNē CīPēCīC,PμPjPsCḡ C†PēC,PsC...CḡPsPjCr P 450 3Pḡ4
PjPμC,P°P±PsP»C-P·Pj PSC-C,,PμPrPēPīC-PSCr. PḡCḡPē PsPrPSPsC†P°CīPSPsPjCr
P·P°CīC,PsCīCrPIP°PSPSCḡ P·PSC-C,,PμPrPēPīC-PSPsPj PSPμ PjPsP¶PSP° PIPēPeP»CḡC†PēC,Pē
P·PSP°C†PSPsPiPs PīC-PrPIPēC%PμPSPSCḡ PePsPSC†PμPSC,CḡP°C†C-C—
PSC-C,,PμPrPēPīC-PSCr Cr PīP»P°P·PjC- PeCḡPsPIC- PIPSP°CīP»C-PrPsPe P·PSPēP¶PμPSPSCḡ
PjPμC,P°P±PsP»C-P·PjCr PīCḡPē PīPμCḡCēPsPjCr PīCḡPsC...PsPrP¶PμPSPSC- C,P°
P·PSPēP¶PμPSPSCḡ CēPIPēPrPePsCīC,C- PIPēPIPμPrPμPSPSCḡ P·PsCḡPiP°PSC-P·PjCr (PrPēPI.
CḡPsP·PrC-P» B«PhCīPsP±P»PēPIPsCīC,C- P·P°CīC,PsCīCrPIP°PSPSCḡB»).

*PḡP·PsP»CHbPSC- PīCḡPsC,PēPīCḡPēP±PePsPIC- P·P°CīPsP±Pē (PSP°PīCḡPēPeP»P°Pr,
PePμC,PsPePsPSP°P·PsP»)*

PḡPsCḡPjP°P»CHbPSPsPiPs PeP»C-PSC-C†PSPsPiPs PrPsCīP»C-PrP¶PμPSPSCḡ C%PsPrPs
PIP·P°C" PjPsPrC-C— PSC-C,,PμPrPēPīC-PSCr C,P° PīPμPIPSPēC... P°P·PsP»CHbPSPēC...
PīCḡPsC,PēPīCḡPēP±PePsPIPēC... P·P°CīPsP±C-PI C%Pμ PSPμ PīCḡPsPIPsPrPēP»Pē.
P'C-PrPsPjPs, C%Ps PīCḡPμPīP°CḡP°C,Pē C†CHbPsPiPs PeP»P°CīCr C-PSPiC-P±CḡC,CH
CīPēCīC,PμPjCr C†PēC,PsC...CḡPsPjCr P 450 3Pḡ4. PḡCḡPē PīPμCḡPsCḡP°P»CHbPSPsPjCr
P·P°CīC,PsCīCrPIP°PSPSC- PsPrPSPsC†P°CīPSPs P·PSC-C,,PμPrPēPīC-PSPsPj PSPμ PjPsP¶PSP°
PIPēPeP»CḡC†PēC,Pē P·PSP°C†PSPsPiPs P·P±C-P»CHbCēPμPSPSCḡ CīPēCīC,PμPjPSPsC—
P±C-PsPrPsCīC,CḡPīPSPsCīC,C- PSC-C,,PμPrPēPīC-PSCr PIPSP°CīP»C-PrPsPe
P·PSPēP¶PμPSPSCḡ PjPμC,P°P±PsP»C-P·PjCr PīCḡPē PīPμCḡCēPsPjCr
PīCḡPsC...PsPrP¶PμPSPSC- (PrPēPI. CḡPsP·PrC-P» B«PhCīPsP±P»PēPIPsCīC,C-
P·P°CīC,PsCīCrPIP°PSPSCḡB»).

PḡP»CēPsPeCīPμC,PēPS

PḡP»C-PSC-C†PSC- PrPsCīP»C-PrP¶PμPSPSCḡ PIP·P°C" PjPsPrC-C— PSC-C,,PμPrPēPīC-PSCr
C,P° C,,P»CḡPsPeCīPμC,PēPSCr PSPμ PīCḡPsPIPsPrPēP»PēCīCHb. P'C-PrPsPjPs, C%Ps
C,,P»CḡPsPeCīPμC,PēPS *in vitro* PīCḡPēPīPSC-C†CḡC" PjPμC,P°P±PsP»C-P·Pj
PSC-C,,PμPrPēPīC-PSCr, PsPiPsCīPμCḡPμPrPePsPIP°PSPēPNē CīPēCīC,PμPjPsCḡ
C†PēC,PsC...CḡPsPjCr P 4503Pḡ4. PḡCḡPē PsPrPSPsC†P°CīPSPsPjCr P·P°CīC,PsCīCrPIP°PSPSC-
PsP±PsC... PīCḡPμPīP°CḡP°C,C-PI PSPμ PjPsP¶PSP° PIPēPeP»CḡC†PēC,Pē
PīC-PrPIPēC%PμPSPSCḡ PePsPSC†PμPSC,CḡP°C†C-C— PSC-C,,PμPrPēPīC-PSCr Cr PīP»P°P·PjC-
PeCḡPsPIC- (PrPI. CḡPsP·PrC-P» B«PhCīPsP±P»PēPIPsCīC,C- P·P°CīC,PsCīCrPIP°PSPSCḡB»)..

PḡPμC,,P°P·PsPrPsPS

PḡP»C-PSC-C†PSC- PrPsCīP»C-PrP¶PμPSPSCḡ PIP·P°C" PjPsPrC-C— PSC-C,,PμPrPēPīC-PSCr
C,P° PSPμC,,P°P·PsPrPsPSCr PSPμ PīCḡPsPIPsPrPēP»Pē. P'C-PrPsPjPs, C%Ps
PSPμC,,P°P·PsPrPsPS C-PSPiC-P±CḡC" *in vitro* PjPμC,P°P±PsP»C-P·Pj C-PSCēPēC...
PīCḡPμPīP°CḡP°C,C-PI, PsPiPsCīPμCḡPμPrPePsPIP°PSPēPNē CīPēCīC,PμPjPsCḡ
C†PēC,PsC...CḡPsPjCr P 4503Pḡ4. PḡCḡPē PsPrPSPsC†P°CīPSPsPjCr P·P°CīC,PsCīCrPIP°PSPSC-
PsP±PsC... PīCḡPμPīP°CḡP°C,C-PI PSPμ PjPsP¶PSP° PIPēPeP»CḡC†PēC,Pē
PīC-PrPIPēC%PμPSPSCḡ PePsPSC†PμPSC,CḡP°C†C-C— PSC-C,,PμPrPēPīC-PSCr Cr PīP»P°P·PjC-

PeC₇PsPIC- (PrPēPI. C₇PsP·PrC-P» B«PhC₇PsP±P»PēPIPsC₇C, C-
P·P°C₇C, PsC₇C₇PIP°PSPSC₇IB»).

PI'C-PSC₇PiC₇PēC₇C, PēPS/PrP°P»CHC,, PsPiC₇PēC₇C, PēPS

PhPrPSPsC±P°C₇PSP₇ P·P°C₇C, PsC₇C₇PIP°PSPSC₇
C...C-PSC₇PiC₇PēC₇C, PēPSC₇/PrP°P»CHC,, PsPiC₇PēC₇C, PēPSC₇ C- PSC-C,, P₇PrPēPiC-PSC₇
PjPsP₇P₇ PiC₇PēP·PIPsPrPēC, Pē PrPs PiC-PrPIPēC%₀P₇PSPSC₇ PePsPSC₇P₇PSC, C₇P°C₇C-C—
PSC-C,, P₇PrPēPiC-PSC₇ C₇ PiP»P°P·PjC- PeC₇PsPIC- (PrPēPI. C₇PsP·PrC-P»
B«PhC₇PsP±P»PēPIPsC₇C, C- P·P°C₇C, PsC₇C₇PIP°PSPSC₇IB»).

P'P°P»CHPiC₇PsC''PIP° PePēC₇P»PsC, P°

P''PsC₇P»C-PrP₇P₇PSPSC₇ PIP·P°C''PjPsPrC-C— PSC-C,, P₇PrPēPiC-PSC₇ C, P°
PIP°P»CHPiC₇PsC''PIPsC— PePēC₇P»PsC, Pē PSP₇ PiC₇PsPIPsPrPēP»Pē. P'C-PrPsPjPs, C%₀Ps
PIP°P»CHPiC₇PsC''PIP° PePēC₇P»PsC, P° PiC-PrPIPēC%₀C₇C'' PePsPSC₇P₇PSC, C₇P°C₇C-C₇ PI
PiP»P°P·PjC- PeC₇PsPIC- C₇C, C₇C₇PeC, C₇C₇PSPs PiPsPrC-P±PSPsPiPs P±P»PsPeP°C, PsC₇P°
PeP°P»CHC₇C-C''PIPēC... PeP°PSP°P»C-PI PSC-PjPsPrPēPiC-PSC₇ PIPSP°C₇P»C-PrPsPe
C-PSPiC-P±C₇PIP°PSPSC₇ C,, P₇C₇PjP₇PSC, C-PI. P₇P₇ PjPsP₇PSP° PIPēPeP»CHC₇PēC, Pē
PiC-PrPIPēC%₀P₇PSPSC₇ PePsPSC₇P₇PSC, C₇P°C₇C-C— PSC-C,, P₇PrPēPiC-PSC₇ C₇ PiP»P°P·PjC-
PeC₇PsPIC- C, P° PiPsC₇PēP»P₇PSPSC₇ P₇C,, P₇PeC, PēPIPSPsC₇C, C- (PrPēPI. C₇PsP·PrC-P»
B«PhC₇PsP±P»PēPIPsC₇C, C- P·P°C₇C, PsC₇C₇PIP°PSPSC₇IB»).

P₇PēPjP₇C, PēPrPēPS

PjPSP°C₇P»C-PrPsPe C-PSPiC-P±C₇PIP°PSPSC₇ C₇PēC, PsC...C₇PsPjC₇ P 4503P₇4
C₇PēPjP₇C, PēPrPēPS PiC-PrPIPēC%₀C₇C'' PePsPSC₇P₇PSC, C₇P°C₇C-C— PSC-C,, P₇PrPēPiC-PSC₇
C₇ PiP»P°P·PjC- PeC₇PsPIC- C, P° PjPsP₇P₇ PiPsC₇PēP»CHPiP°C, Pē
P°PSC, PēPiC-PiP₇C₇C, P₇PSP·PēPIPSPēP₇ P₇C,, P₇PeC, B«PhC₇PsP±P»PēPIPsC₇C, C-
P·P°C₇C, PsC₇C₇PIP°PSPSC₇IB»).

P₇C₇PēC₇PēPeP»C-C±PSC- P°PSC, PēPrP₇PiC₇P₇C₇P°PSC, Pē,
C₇C₇PēPrPēPSPsC₇PsP·CēPēC₇CHPiP°P»CHPSC- P·P°C₇PsP±Pē

Pj C₇P°P·C- PePsPjP±C-PSP°C₇C-C— PSC-C,, P₇PrPēPiC-PSC₇ P· C, C₇PēC₇PēPeP»C-C±PSPēPjPē
P°PSC, PēPrP₇PiC₇P₇C₇P°PSC, P°PjPē, C₇C₇PrPēPSPsC₇PsP·CēPēC₇CHPiP°P»CHPSPēPjPē
P·P°C₇PsP±P°PjPē PIC-PrP±C₇PIP°C''C, CHC₇C₇ PjPsP₇P₇PēPIP₇ PiPsC₇PēP»P₇PSPSC₇
PiC-PiPsC, P₇PSP·PēPIPSPsPiPs P₇C,, P₇PeC, C₇.

P₇PēP·P°PiC₇PēPr

PhPrPSPsC±P°C₇PSP₇ P·P°C₇C, PsC₇C₇PIP°PSPSC₇ C₇PēP·P°PiC₇PēPrC₇ C-
PSC-C,, P₇PrPēPiC-PSC₇ PjPsP₇P₇ PiC₇PēP·PIPsPrPēC, Pē PrPs PiC-PrPIPēC%₀P₇PSPSC₇
PePsPSC₇P₇PSC, C₇P°C₇C-C— PSC-C,, P₇PrPēPiC-PSC₇ C₇ PiP»P°P·PjC- PeC₇PsPIC-.

P>C-PeP°C₇C₇CHPeC- P·P°C₇PsP±Pē, C%₀Ps C-PSP₇C₇PeC₇CHC, CH C₇PēC₇C, P₇PjC₇
C₇PēC, PsC...C₇PsPjC₇ P 4503P₇4

P PēC,, P°PjPiC-C₇PēPS P·PSP°C±PSPsC₇ PjC-C₇PsC₇ C-PSPrC₇PeC₇C'' C₇PēC₇C, P₇PjC₇
C₇PēC, PsC...C₇PsPjC₇ P 450 3P₇4. P₇C₇Pē PsPrPSPsC±P°C₇PSPsPjC₇ P·P°C₇C, PsC₇C₇PIP°PSPSC-
P· C₇PēC,, P°PjPiC-C₇PēPSPsPj P±C-PsPrPsC₇C, C₇PiPSC-C₇C, CH PSC-C,, P₇PrPēPiC-PSC₇
P·PSP°C±PSPs P·PjP₇PSCC₇C''C, CHC₇C₇ C- C, P°PePēPj C±PēPSPsPj P₇PsPiPs
P₇C,, P₇PeC, PēPIPSC-C₇C, CH P·PSPēP₇C₇C''C, CHC₇C₇ P₇PsPjC₇ P·P°C₇C, PsC₇C₇PIP°PSPSC₇

PePsPjP±C-PSP°C†C-C— PSC-C,,PμPrPëPîC-PSCr P· CḡPëC,,P°PjPîC-C†PëPSPsPj
PîCḡPsC,PëPîPsPeP°P·P°PSPμ (PrPëPl. CḡPsP·PrC-P» B<PμCḡPsC,PëPîPsPeP°P·P°PSPSClIB»).

*PμCḡPsC,PëPμPîC-P»PμPîC,PëC†PSC- P·P°CḡPsP±Pë (PSP°PîCḡPëPeP»P°Pr,
C,,PμPSC-C,PsC—PS, PeP°CḡP±P°PjP°P·PμPîC-PS C- C,,PμPSPsP±P°CḡP±C-C,P°P»)*

PαPμPSC-C,PsC—PS C-PSPrC†PeC†C” CḡPëCḡC,PμPjC† C†PëC,PsC...CḡPsPjC† P 4503Ph4. PμCḡPë
PsPrPSPsC†P°CḡPSPsPjC† P·P°CḡC,PsCḡC†PIP°PSPSC- P· C,,PμPSC-C,PsC—PSPsPj
P±C-PsPrPsCḡC,C†PîPSC-CḡC,Ch PSC-C,,PμPrPëPîC-PSCr P·PSPëP¶C†C”C,ChCḡCḡ, P°
PμC,,PμPeC,PëPIPSC-CḡC,Ch PîPsCḡP»P°P±P»CḡC”C,ChCḡCḡ. PμCḡPë
PsPrPSPsC†P°CḡPSPsPjC† P·P°CḡC,PsCḡC†PIP°PSPSC- PsP±PsC... PîCḡPμPîP°CḡP°C,C-PI
PSPμPsP±C...C-PrPSPs PePsPSC,CḡPsP»CḡPIP°C,Pë PeP»C-PSC-C†PSCr PIC-PrPîPsPIC-PrCh
PSP° C,PμCḡP°PîC-Cḡ PSC-C,,PμPrPëPîC-PSPsPj C- C† CḡP°P·C- PSPμPsP±C...C-PrPSPsCḡC,C-
CḡPsP·PîP»CḡPSCrC,Pë PîPëC,P°PSPSCl PîCḡPs PîC-PrPIPëC%PμPSPSCl PrPsP·Pë
PSC-C,,PμPrPëPîC-PSCr. PîPeC%Ps PrPsP·C† PSC-C,,PμPrPëPîC-PSCr P±C†P»Ps
PîC-PrPIPëC%PμPSPs PîC-Pr C†P°Cḡ PsPrPSPsC†P°CḡPSPsPiPs P·P°CḡC,PsCḡC†PIP°PSPSCl
PsP±PsC... PîCḡPμPîP°CḡP°C,C-PI, PîCḡPë PIC-PrPjC-PSC- C,,PμPSC-C,PsC—PSCr CḡP»C-Pr
CḡPsP·PîP»CḡPSCrC,Pë PîPëC,P°PSPSCl PîCḡPs P·PSPëP¶PμPSPSCl PrPsP·Pë
PSC-C,,PμPrPëPîC-PSCr.

PαPsCḡPjP°P»ChPSPs PeP»C-PSC-C†PSPëC... PrPsCḡP»C-PrP¶PμPSCḡ C%PsPrPs
PIP·P°C”PjPsPrC-C— PSC-C,,PμPrPëPîC-PSCr C,P° PeP°CḡP±P°PjP°P·PμPîC-PSCr P°P±Ps
C,,PμPSPsP±P°CḡP±C-C,P°P»C† PSPμ PîCḡPsPiPsPrPëP»Pë. P’C-PrPsPjPs, C%Ps PsP±PëPrPIP°
PîCḡPμPîP°CḡP°C,Pë P·PSPëP¶C†CḡC,Ch PePsPSC†PμPSC,CḡP°C†C-C— C† PîP»P°P·PjC-
PeCḡPsPIC- CḡC,CḡC†PeC,C†CḡPSPs PîPsPrC-P±PSPsPiPs P±P»PsPeP°C,PsCḡP°
PeP°P»ChC†C-C”PIPëC... PeP°PSP°P»C-PI PSC-PjPsPrPëPîC-PSCr PIPSP°CḡP»C-PrPsPe
C-PSPrC†PeC†C-C— C,,PμCḡPjPμPSC,C-PI. P—PIP°P¶P°CḡC†Pë PSP° C†Pμ, PSPμ PjPsP¶PSP°
PIPëPeP»CḡC†PëC,Pë P·PSPëP¶PμPSPSCl PePsPSC†PμPSC,CḡP°C†C-C— PSC-C,,PμPrPëPîC-PSCr
C† PîP»P°P·PjC- PeCḡPsPIC- C,P° P·PjPμPSCεPμPSPSCl PμC,,PμPeC,PëPIPSPSCḡC,C-.

P’PîP»PëPI PSC-C,,PμPrPëPîC-PSCr PSP° C-PSCεC- P»C-PeP°CḡC†ChPeC- P·P°CḡPsP±Pë

PhPSC,PëPîC-PîPμCḡC,PμPSP·PëPIPSC- PîCḡPμPîP°CḡP°C,Pë

PkC-C,,PμPrPëPîC-PS PjPsP¶Pμ P·P±C-P»ChCεC†PIP°C,Pë
P°PSC,PëPîC-PîPμCḡC,PμPSP·PëPIPSPëPNe PμC,,PμPeC,
P°PSC,PëPîC-PîPμCḡC,PμPSP·PëPIPSPëC... PîCḡPμPîP°CḡP°C,C-PI, C%Ps
P·P°CḡC,PsCḡPsPIC†CḡC,Ch PsPrPSPsC†P°CḡPSPs, C,P°PePëC... ClPe:

-B B B B B B B B PrC-C†CḡPμC,PëPePë;

-B B B B B B B B P±P»PsPeP°C,PsCḡPë β-P°PrCḡPμPSPsCḡPμC†PμPîC,PsCḡC-PI;

-B B B B B B B B C-PSPiC-P±C-C,PsCḡPë PhPμPα
(P°PSPiC-PsC,PμPSP·PëPSPîPμCḡPμC,PIPsCḡChPIP°P»ChPSPsPiPs C,,PμCḡPjPμPSC,C†);

-B B B B B B B B P°PSC,P°PiPsPSC-CḡC,Pë PhPγ1-CḡPμC†PμPîC,PsCḡC-PI;

-B B B B B B B B C-PSCεC- PeP°P»ChC†C-C”PIC- P°PSC,P°PiPsPSC-CḡC,Pë;

-B B B B B B B B P±P»PsPeP°C,PsCḡPë α-P°PrCḡPμPSPsCḡPμC†PμPîC,PsCḡC-PI;

-B B B B B B B B C-PSPiC-P±C-C,PsCḡPë PαP”E-5 (C,,PsCḡC,,PsPrC-PμCḡC,PμCḡP°P·Pë-5);

–B B B B B B B B α -PjP_μC,PëP»PrPsP_iP°.

P_μCT_μPë PsPrPSPsC‡P°CÍPSPsPjC_r P·P°CÍC,PsCÍC_rPIP°PSPSC- PSC-C,,P_μPrPëP_iC-PSC_r P·
P±P»PsPeP°C,PsCT_μP°PjPë β-P°PrCT_μP_μPSPsCT_μP_μC†P_μP_iC,PsCT_μC- CÍP»C-Pr CT_μP_μC,P_μP»CH_μPSPs
CÍP_iPsCÍC,P_μCT_μC-PiP°C,Pë P·P° CÍC,P°PSPsPj P_i P_iP°C†C-C°PSC,P°, PsCÍPeC-P»CH_μPePë
PIC-PrPsPjC- P_iPsPsPrPëPSPsPeC- PIPëP_iP°PrPePë P·P°PiPsCÍC,CT_μP_μPSPSC_μ
CÍP_μCT_μC†P_μPIPsC— PSP_μPrPsCÍC,P°C,PSPsCÍC,C-.

P°PëPiPsPeCÍPëPS.

P_μCT_μPë PsPrPSPsC‡P°CÍPSPsPjC_r P·P°CÍC,PsCÍC_rPIP°PSPSC- P· PrPëPiPsPeCÍPëPSPsPj
PjPsP_μP_μ P·PjP_μPSC€PëC,PëCÍC_μ PeP»C-CT_μP_μPSCÍ PrPëPiPsPeCÍPëPSC_r, C°%Ps
P_iCT_μPëP·PIPsPrPëC,CH_μ PrPs P·CT_μPsCÍC,P°PSPSC_μ P_μPsPiPs PePsPSC†P_μPSC,CT_μP°C†C-C— C_r
P_iP»P°P·PjC- PeCT_μPsPIC-. P P_μPePsPjP_μPSP_rC_rC°C,CH_μCÍC_μ PePsPSC,CT_μPsP»CT_μPIP°C,Pë
P_iP°C†C-C°PSC,C-PI C°%PsPrPs CÍPëPjP_iC,PsPjC-PI P_iP_μCT_μP_μPrPsP·C_rPIP°PSPSC_μ
PrPëPiPsPeCÍPëPSPsPj C- C_r CT_μP°P·C- PSP_μPsP±C...C-PrPSPsCÍC,C-
PIC-PrPePsCT_μPëPiC_rPIP°C,Pë PrPsP·C_r.

P_μPsC,,C-P»C-PS

P_kC-C,,P_μPrPëP_iC-PS PjPsP_μP_μ P_iC-PrPIPëC°%C_rPIP°C,Pë CT_μC-PIP_μPSCH_μ C,P_μPsC,,C-P»C-PSC_r
C_r P_iP»P°P·PjC- PeCT_μPsPIC-.

P°C-PSPeCT_μPëCÍC,PëPS

P_kC-C,,P_μPrPëP_iC-PS P·PjP_μPSC€C_rC° PIPëPIP_μPrP_μPSPSC_μ PIC-PSPeCT_μPëCÍC,PëPSC_r, C°%Ps
PjPsP_μP_μ P_iPsCÍPëP»PëC,Pë P_μPsPiPs P_iPsP±C-C†PSC- P_μC,,P_μPeC,Pë. P_μPsPjC_r CÍP»C-Pr
CT_μPsP·PiP»C_μPSC_rC,Pë PjPsP_μP»PëPIC-CÍC,CH_μ P·PSPëP_μP_μPSPSC_μ PrPsP·Pë
PIC-PSPeCT_μPëCÍC,PëPSC_r.

P_iP_μC,,P°P»PsCÍP_iPsCT_μPëPS

P_μPsPIC-PrPsPjP»C_μP»PsCÍC_μ, C°%Ps P_iCT_μPë PsPrPSPsC‡P°CÍPSPsPjC_r
P·P°CÍC,PsCÍC_rPIP°PSPSC- C†P_μC,,P°P»PsCÍP_iPsCT_μPëPSC-PI (PSP°P_iCT_μPëPeP»P°Pr,
C†P_μC,,C-PeCÍPëPjC_r) C,P° PSC-C,,P_μPrPëP_iC-PSC_r P_iC-PrPIPëC°%C_rC° CT_μC-PIP_μPSCH_μ
C†P_μC,,P°P»PsCÍP_iPsCT_μPëPSC-PI C_r P_iP»P°P·PjC- PeCT_μPsPIC-.

P_iC-PSC-PrPëPS.

P_μCT_μPë CÍC_rP_iC_rC,PSCH_μPsPjC_r P·P°CÍC,PsCÍC_rPIP°PSPSC- PSC-C,,P_μPrPëP_iC-PS PjPsP_μP_μ
P·PjP_μPSC€C_rPIP°C,Pë CT_μC-PIP_μPSCH_μ C...C-PSC-PrPëPSC_r C_r P_iP»P°P·PjC- PeCT_μPsPIC-,
C,PsPrC- C_μPe P_iC-CÍP»C_μ P_μPsPiPs PIC-PrPjC-PSPë P_i PsPeCT_μP_μPjPëC... PIPëP_iP°PrPeP°C...
PjPsP_μP_μ CÍP_iPsCÍC,P_μCT_μC-PiP°C,PëCÍC_μ PIPëCT_μP°P·PSP_μ P·P±C-P»CH_μC€P_μPSPSC_μ
CT_μC-PIPSC_μ C...C-PSC-PrPëPSC_r. P_μPsPjC_r P_iC-CÍP»C_μ PrPsPrP°PIP°PSPSC_μ P°P±Ps
PIC-PrPjC-PSPë PSC-C,,P_μPrPëP_iC-PSC_r PSP_μPsP±C...C-PrPSPs P_iP_μCT_μP_μPIC-CT_μPëC,Pë
PePsPSC†P_μPSC,CT_μP°C†C-CT_μ C...C-PSC-PrPëPSC_r C_r P_iP»P°P·PjC- PeCT_μPsPIC- C,P° C_r
CT_μP°P·C- PSP_μPsP±C...C-PrPSPsCÍC,C- PIC-PrP_iPsPIC-PrPSPëPj C†PëPSPsPj
PIC-PrPePsCT_μPëPiC_rPIP°C,Pë PrPsP·C_r. P_μCT_μC,P_μCT_μC-P°P»CH_μPSPëP_μ C,PëCÍPe
CÍP»C-Pr CT_μP_μC,P_μP»CH_μPSPs PePsPSC,CT_μPsP»CT_μPIP°C,Pë, PrPsP·C_r
PSC-C,,P_μPrPëP_iC-PSC_r CÍP»C-Pr P·PjP_μPSC€PëC,Pë P_iCT_μPë
PSP_μPsP±C...C-PrPSPsCÍC,C-.

PŷP°PeCḥPsP»C-PjCžCí.

PŷP°PeCḥPsP»C-PjCíCí PjPµC,P°P±PsP»C-P·CíC”C,CHCíCíCí CíPëCíC,PµPjPsCḥ
C†PëC,PsC...CḥPsPjCí P 450 3Pḥ4. P—P° PSP°CíPIPSPëPjPë PrP°PSPëPjPë PrPsP·P°
C,P°PeCḥPsP»C-PjCíCíCí Cí CḥP°P·C- PsPrPSPsC†P°CíPSPsPiPs PiCḥPëPNëPsPjCí P·
PSC-C,,PµPrPëPiC-PSPsPj PjPsP¶Pµ P±CíC,Pë P·PjPµPSCëPµPSP° PI PsPeCḥPµPjPëC...
PIPëPiP°PrPeP°C.... P PµPePsPjPµPSP†CíC”C,CHCíCíCí PePsPSC,CḥPsP»CḥPIP°C,Pë
PePsPSC†PµPSC,CḥP°C†C-Cḥ C,P°PeCḥPsP»C-PjCíCíCí Cí PiP»P°P·PjC- PeCḥPsPIC- C-, Cí
CḥP°P·C- PSPµPsP±C...C-PrPSPsCíC,C-, P·PjPµPSCëPëC,Pë PNëPsPiPs PrPsP·Cí.

P’P·P°C”PjPsPrC-Cí P· PiCḥPsPrCíPeC,P°PjPë C...P°CḥC†CíPIP°PSPSCí.

P”CḥPµPNëPiC,,CḥCíC,PsPIPëPNë CíC-Pe C-PSPiC-P±CíC” CíPëCíC,PµPjCí
C†PëC,PsC...CḥPsPjCí P 450 3Pḥ4. PhPrPSPsC†P°CíPSPµ PIP¶PëPIP°PSPSCí P·
PSC-C,,PµPrPëPiC-PSPsPj PjPsP¶Pµ P·P±C-P»CHCëPëC,Pë PePsPSC†PµPSC,CḥP°C†C-Cḥ
PsCíC,P°PSPSCHsPiPs Cí PiP»P°P·PjC- PeCḥPsPIC- C,P° PiPsPrPsPIP¶PëC,Pë PrC-Cḥ
PSC-C,,PµPrPëPiC-PSC† C†PµCḥPµP· P·PjPµPSCëPµPSPSCí PµC,,PµPeC,Cí PiPµCḥCëPsPiPs
PiCḥPsC...PsPrP¶PµPSPSCí P°P±Ps P·PjPµPSCëPµPSPSCí PeP»C-CḥPµPSCíCí C-, CíPe
CḥPµP·CíP»CHC,P°C,, P·P±C-P»CHCëPëC,Pë PNëPsPiPs PiC-PiPsC,PµPSP·PëPIPSC† PrC-Cḥ.
PµC-CíP»Cí CḥPµPiCíP»CíCḥPSPsPiPs PIP¶PëPIP°PSPSCí PiCḥPµPNëPiC,,CḥCíC,PsPIPsPiPs
CíPsPeCí C†PµPNë PµC,,PµPeC, PjPsP¶Pµ C,CḥPëPIP°C,Pë PiCḥPsC,CíPiPsPj
PiCḥPëPSP°PNëPjPSC- C,CḥCHsPsC... PrPSC-PI PiC-CíP»Cí PsCíC,P°PSPSCHsPiPs
PIP¶PëPIP°PSPSCí CíPsPeCí. PŷP»C-Pr CíPSPëPeP°C,Pë PIP¶PëPIP°PSPSCí
PiCḥPµPNëPiC,,CḥCíC,C-PI/ PiCḥPµPNëPiC,,CḥCíC,PsPIPsPiPs CíPsPeCí PiCḥPë
P·P°CíC,PsCíCíPIP°PSPSC- PSC-C,,PµPrPëPiC-PSC†.

P†PSCëC- PIP·P°C”PjPsPrC-C—.

PkC-C,,PµPrPëPiC-PS PjPsP¶Pµ PrP°C,Pë C...PëP±PSPëPNë CḥPµP·CíP»CHC,P°C, PiCḥPë
CíPiPµPeC,CḥPsC,,PsC,PsPjPµC,CḥPëC†PSPsPjCí PIPëP·PSP°C†PµPSPSC-
PIP°PSC-P»C-P»PjPëPiPrP°P»PµPIPsC— PePëCíP»PsC,Pë. PhPrPSP°Pe CḥPµP·CíP»CHC,P°C,Pë
PrPsCíP»C-PrP¶PµPSPSCí PIPëCíPsPePsPµC,,PµPeC,PëPIPSPsC— CḥC-PrPëPSPSPsC—
C...CḥPsPjP°C,PsPiCḥP°C,,C-C— PSPµ P·PjC-PSCḥCḥC,CHCíCíCí.

PhCíPsP±P»PëPIPsCíC,C- P·P°CíC,PsCíCžPIP°PSPSCí.

PŷP°P±P»PµC,PePë PµPsCḥPrPëPiC-PS XL PePsPIC,P°C,Pë C†C-P»PëPjPë, Cí P¶PsPrPSPsPjCí
CḥP°P·C- PSPµ CíP»C-Pr P»P°PjP°C,Pë, CḥPsP·PrP°PIP»CḥPIP°C,Pë P°P±Ps
CḥPsP·P¶PsPICíPIP°C,Pë.

PŷP»C-Pr P· PsP±PµCḥPµP¶PSC-CíC,Cḥ P·P°CíC,PsCíPsPICíPIP°C,Pë PiP°C†C-C”PSC,P°Pj C-P·
P°CḥC,PµCḥC-P°P»CHPSPsCḥ PiC-PiPsC,PµPSP·C-C”Cḥ C†PµCḥPµP· CḥPëP·PëPe
PiPsPrP°P»CHCëPsPiPs P·PSPëP¶PµPSPSCí P°CḥC,PµCḥC-P°P»CHPSPsPiPs C,PëCíPeCí
PeCḥPsPIC-, PsCíPsP±P»PëPIPs PiP°C†C-C”PSC,P°Pj C-P· PIPëCḥP°P¶PµPSPsCḥ
P°CḥC,PµCḥC-P°P»CHPSPsCḥ PiC-PiPsC,PµPSP·C-C”Cḥ (CíPëCíC,PsP»C-C†PSPëPNë C,PëCíPe
PjPµPSCëPµ 90 PjPj. CḥC,,. CíC,,).

PµCḥPë P·P°CíC,PsCíCíPIP°PSPSC- PiCḥPµPiP°CḥP°C,Cí PsPrPSPsC†P°CíPSPs P·
PIPSC†C,CḥC-CëPSCḥPsPIPµPSPSPëPj PIPµPrPµPSPSCíPj PjP°PiPSC-Cḥ CíCíP»CHC,,P°C,Cí
PSPµPsP±C...C-PrPSPëPNë CḥPµC,PµP»CHPSPëPNë PjPsPSC-C,PsCḥPëPSPI

$P''P_s \text{ P}\ddot{\text{I}}\text{C}\overline{\text{H}}\text{P}_{\mu}\text{P}\ddot{\text{I}}\text{P}^{\circ}\text{C}\overline{\text{H}}\text{P}^{\circ}\text{C},\text{C-PI}, \text{C}\overline{\text{I}}\text{P}\text{eC- C}'' \text{ C}\overline{\text{I}}\text{P}\rangle\text{P}^{\circ}\text{P}\pm\text{P}\text{eP}\ddot{\text{e}}\text{P}\text{jP}\ddot{\text{e}} \text{ P}^{\circ}\text{P}\pm\text{P}_s \text{ P}\ddot{\text{I}}\text{P}_s\text{P}\text{jC-}\overline{\text{C}}\overline{\text{H}}\text{PSP}\ddot{\text{e}}\text{P}\text{jP}\ddot{\text{e}}$
 $\text{C-PSPIc-P}\pm\text{C-C},\text{P}_s\text{C}\overline{\text{H}}\text{P}^{\circ}\text{P}\text{jP}\ddot{\text{e}} \text{ C}\overline{\text{I}}\text{P}\ddot{\text{e}}\text{C}\overline{\text{I}}\text{C},\text{P}_{\mu}\text{P}\text{jP}\ddot{\text{e}} \text{ C}\dagger\text{P}\ddot{\text{e}}\text{C},\text{P}_s\text{C}...\overline{\text{C}}\overline{\text{H}}\text{P}_s\text{P}\text{jC}\overline{\text{r}} \text{ P } 450 \text{ } 3\overline{\text{P}}\overline{\text{H}}_4 \text{ C},\text{P}^{\circ}$
 $\text{P}\text{jP}_s\text{P}\overline{\text{I}}\text{C}\overline{\text{r}}\text{C},\text{C}\overline{\text{H}} \text{ P}\ddot{\text{I}}\text{C}\overline{\text{H}}\text{P}\ddot{\text{e}}\text{P}\cdot\text{PIPsPrP}\ddot{\text{e}}\text{C},\text{P}\ddot{\text{e}} \text{ PrP}_s \text{ P}\cdot\text{P}\pm\text{C-P}\rangle\text{C}\overline{\text{H}}\text{C}\epsilon\text{P}_{\mu}\text{PSPSC}\overline{\text{I}}\overline{\text{I}}$
 $\text{PePsPSC}\dagger\text{P}_{\mu}\text{PSC},\overline{\text{C}}\overline{\text{H}}\text{P}^{\circ}\text{C}\dagger\text{C-C— PSC-C},,\text{P}_{\mu}\text{PrP}\ddot{\text{e}}\text{P}\ddot{\text{I}}\text{C-PSC}\overline{\text{r}} \text{ C}\overline{\text{r}} \text{ P}\ddot{\text{I}}\text{P}\rangle\text{P}^{\circ}\text{P}\cdot\text{P}\text{jC-},$
 $\text{PSP}^{\circ}\text{P}\rangle\text{P}_{\mu}\text{P}\overline{\text{I}}\text{P}^{\circ}\text{C},\text{C}\overline{\text{H}}:$

- PjP°PeCḡPsP»C-PrPSC- P°PSC,PëP±C-PsC,PëPePë (PSP°PïCḡPëPeP»P°Pr,
PμCḡPëC,CḡPsPjC-C†PëPS);
- C-PSPiC-P±C-C,PSCḡPë P°PSC,Pë-P'P†P> PïCḡPsC,PμP°P·Pë (PSP°PïCḡPëPeP»P°Pr,
CḡPëC,PSPSP°PIC-Cḡ);
- P°P·PsP»CHPSC- P°PSC,PëPjC-PePsC,PëPePë (PSP°PïCḡPëPeP»P°Pr,
PePμC,PsPePsPSP°P·PsP»);
- P°PSC,PëPrPμPïCḡPμC†P°PSC,Pë, PSPμC,,P°P·PsPrPsPS C,P° C,,P»C†PsPeC†PμC,PëPS;
- C...C-PSC†PïCḡPëC†C,PëPS/PrP°P»CHC,,PsPïCḡPëC†C,PëPS;
- PIP°P»CHPïCḡPsC"PIP° PePëC†P»PsC,P°;
- C†PëPjPμC,PëPrPëPS;
- C,CḡPëC†PëPeP»C-C†PSC- P°PSC,PëPrPμPμPïCḡPëC†P°PSC,Pë,
PIP°P·PsPrPëP»P°C,PsCḡPë;
- C†PëP·P°PïCḡPëPr.

PμCḡPë C†C†PïC†C,PSCHPsPjC† P·P°C†C,PsC†C†PIP°PSPSC- PμPsCḡPrPëPïC-PSC† XL
C-P· C†PëPjPë PïCḡPμPïP°CḡP°C,P°PjPë PSPμPsP±C...C-PrPSPs
PePsPSC,CḡPsP»CHPIP°C,Pë P°CḡC,PμCḡC-P°P»CHPSPëPN C,PëC†Pe C,P° PI CḡP°P·C-
PSPμPsP±C...C-PrPSPsC†C,C- CḡPsP·PiP»C†PSC†C,Pë PïPëC,P°PSPSC† PïCḡPs
P·PSPëP¶PμPSPSC† PrPsP·Pë PSC-C,,PμPrPëPïC-PSC†.

PkC-C,,PμPrPëPïC-PS PïCḡPsC,PëPïPsPeP°P·P°PSPëPN PrPs 20-PiPs C,PëP¶PSC†
PIP°PiC-C,PSPsC†C,C-. PkC-C,,PμPrPëPïC-PS PSPμ C†P»C-Pr
P·P°C†C,PsC†PsPIC†PIP°C,Pë PïC-Pr C†P°C† PIP°PiC-C,PSPsC†C,C-, P·P°
PIPëPSC†C,PePsPj PIPëPïP°PrPeC-PI, PePsP»Pë PeP»C-PSC-C†PSPëPN C†C,P°PS
P¶C-PSPePë PïPsC,CḡPμP±C†C" P»C-PeC†PIP°PSPSC† PSC-C,,PμPrPëPïC-PSPsPj.
PkC-C,,PμPrPëPïC-PS C†P»C-Pr PïCḡPëP·PSP°C†P°C,Pë P¶C-PSPeP°Pj C-P·
C,C†P¶PePsCḡ P°CḡC,PμCḡC-P°P»CHPSPsCḡ PiC-PïPμCḡC,PμPSP·C-C"ḡC, C†PeC-
PSPμ CḡPμP°PiC†CḡC,CH PSP° C†C,P°PSPrP°CḡC,PSC† C,PμCḡP°PïC-Cḡ (PrPëPI.
CḡPsP·PrC-P» B«P-P°C†C,PsC†C†PIP°PSPSC† C† PïPμCḡC-PsPr PIP°PiC-C,PSPsC†C,C-
P°P±Ps PiPsPrC†PIP°PSPSC† PïCḡC†PrPrCḡB»).

PμCḡPë C†C†PïC†C,PSCHPsPjC† P·P°C†C,PsC†C†PIP°PSPSC† PSC-C,,C-PrPμPïC-PSC†
C-P· PIPSC†C,CḡC-C€PSCHPsPIPμPSPSPëPj PIPIPμPrPμPSPSC†Pj C†C†P»CHC,,P°C,C†
PjP°PiPSC-Cḡ C†P»C-Pr CḡPμC,PμP»CHPSPs PePsPSC,CḡPsP»CHPIP°C,Pë
P°CḡC,PμCḡC-P°P»CHPSPëPN C,PëC†Pe, C†PμCḡPμP· PjPsP¶P»PëPIPμ
PSP°PrPjC-CḡPSPμ P·PSPëP¶PμPSPSC† P°CḡC,PμCḡC-P°P»CHPSPsPiPs C,PëC†PeC†,
C†PePμ PjPsP¶Pμ P±C†C,Pë C€PeC-PrP»PëPIPëPj C†Pe PrP»C† PjP°C,PμCḡC-, C,P°Pe C-
PrP»C† PïP»PsPrP°.

PkC†PsP±P»PëPIC- P·P°C†C,PμCḡPμP¶PμPSPSC† C%PsPrPs PrPsPïPsPjC-P¶PSPëC...
CḡPμC†PsPIPëPS.

$$\text{P}\ddot{\text{U}}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{e}}\text{PIPSCrC,C}\ddot{\text{H}}\text{C}-\text{C}\ddot{\text{E}}\text{PSC}\ddot{\text{H}}\text{PsPIP}\mu\text{PSPSPsPjCrP}\cdot\text{P}^\circ\text{C}\ddot{\text{I}}\text{C},\text{PsC}\ddot{\text{I}}\text{CrPIP}^\circ\text{PSPSC}-$$

$P \pm P \gg PsPeP^\circ C, PsC\bar{H}C-PI\ PeP^\circ P \gg CHC \dagger C-C''PIP\ddot{e}C \dots PeP^\circ PSP^\circ P \gg C-PI, PI\ C, PsPjC\acute{r}$
 $C \ddagger P\ddot{e}C\acute{r}P \gg C- PSC-C,, P\mu PrP\ddot{e}P\ddot{i}C-PSC\acute{r}, PrP \gg C\bar{I} P\ P \cdot PSP\ddot{e}P\bar{I} P\mu PSPSC\bar{I} P\ddot{i}PsP \gg PsPiPsPIPsC-$
 $PrC-C\bar{I}P \gg CH\bar{H}PSPsC\acute{r}C, C- C, P^\circ/P^\circ P \pm Ps\ PsPrPSPsC \ddagger P^\circ C\acute{r}PSPsPjC\acute{r}$
 $P \cdot P^\circ C\acute{r}C, PsC\acute{r}C\acute{r}PIP^\circ PSPSC- P \pm P\mu C, P^\circ-2 \cdot P^\circ PiPsPSC-C\acute{r}C, C-PI$
 $P\ddot{i}PsPIC-PrPsPjP \gg C\bar{I}P \gg PsC\acute{r}C\bar{I} P\ddot{i}C\bar{H}Ps\ PiPsC\acute{r}C, C\bar{H}P\ddot{e}PN_{\bar{e}}\ PSP^\circ P \pm C\bar{H}C\bar{I}Pe\ P \gg P\mu PiP\mu PSCH$
 $(PsC\acute{r}PsP \pm P \gg P\ddot{e}PIPs\ C\acute{r}\ C\bar{H}P^\circ P \cdot C- P \pm P^\circ PiP^\circ C, PsP\ddot{i}P \gg C-PrPSPsC- PIP^\circ PiC-C, PSPsC\acute{r}C, C-).$

$P''PsPrC\acute{r}PIP^\circ PSPSC\bar{I} P\ddot{i}C\bar{H}C\acute{r}PrPrC\bar{H}.$

$P\acute{K}C-C,, P\mu PrP\ddot{e}P\ddot{i}C-PS\ P\ddot{i}C\bar{H}PsC, P\ddot{e}P\ddot{i}PsPeP^\circ P \cdot P^\circ PSP\ddot{e}PN_{\bar{e}}\ C\acute{r}\ P\ddot{i}P\mu C\bar{H}C-PsPr$
 $P\ddot{i}PsPrC\acute{r}PIP^\circ PSPSC\bar{I} P\ddot{i}C\bar{H}C\acute{r}PrPrC\bar{H}.$ $P\acute{K}C-C,, P\mu PrP\ddot{e}P\ddot{i}C-PS\ P\ddot{i}C\bar{H}PsPSP\ddot{e}PeP^\circ C''\ C\acute{r}\ P\ddot{i}C\bar{H}C\acute{r}PrPSP\mu$
 $PjPsP \gg PsPePs.$ $P\bar{L}PsPSC \dagger P\mu PSC, C\bar{H}P^\circ C \dagger C-C\bar{I} PSC-C,, P\mu PrP\ddot{e}P\ddot{i}C-PSC\acute{r}\ C\acute{r}\ P\ddot{i}C\bar{H}C\acute{r}PrPSPsPjC\acute{r}$
 $PjPsP \gg PsC \dagger C- P\ddot{i}PsC\bar{H}C-PIPSC\bar{I}PSPSP^\circ\ C \cdot P\ PePsPSC \dagger P\mu PSC, C\bar{H}P^\circ C \dagger C-C''C\bar{H}\ C\acute{r}$
 $C\acute{r}P\ddot{e}C\bar{H}PsPIP^\circ C, C \dagger C- PeC\bar{H}PsPIC-. P''P \gg C\bar{I} P \cdot PjP\mu PSC\epsilon P\mu PSPSC\bar{I} PIP\ddot{i}P \gg P\ddot{e}PIC\acute{r}\ PSP^\circ$
 $PSP\mu PjPsPIP \gg C\bar{I} P\ddot{i}PsPrC\acute{r}PIP^\circ PSPSC\bar{I} P\ddot{i}C\bar{H}C\acute{r}PrPrC\bar{H}\ C\acute{r}P \gg C-Pr\ PIC-PrPeP \gg P^\circ C\acute{r}C, P\ddot{e}\ PSP^\circ$
 $3B\bar{H}''4\ PiPsPrP\ddot{e}PSP\ddot{e}\ P\ddot{i}C-C\acute{r}P \gg C\bar{I} P \cdot P^\circ C\acute{r}C, PsC\acute{r}C\acute{r}PIP^\circ PSPSC\bar{I}$
 $P \gg C-PeP^\circ C\bar{H}C\acute{r}CHPeP\ddot{e}C \dots C,, PsC\bar{H}Pj\ C \cdot P \cdot PSP\mu PiP^\circ PN_{\bar{e}}PSP\ddot{e}Pj$
 $PIP\ddot{e}PIC-P \gg CH\bar{H}PSP\mu PSPSC\bar{I}Pj\ PSC-C,, P\mu PrP\ddot{e}P\ddot{i}C-PSC\acute{r}.$

$P\alpha P\mu C\bar{H}C, P\ddot{e}P \gg CH\bar{H}PSC-C\acute{r}C, CH$

$P\bar{h}PeC\bar{H}P\mu PjC- P\mu PeC\acute{r}P\ddot{i}P\mu C\bar{H}P\ddot{e}PjP\mu PSC, P\ddot{e}\ in\ vitro\ PIP\ddot{e}C\bar{I}PIP\ddot{e}P \gg P\ddot{e}$
 $PIP \cdot P^\circ C''PjPsP \cdot P\bar{I}B\bar{H}'' C\bar{I}P \cdot PsPe\ PjC-P\bar{I} P \cdot P^\circ C\acute{r}C, PsC\acute{r}C\acute{r}PIP^\circ PSPSC\bar{I}Pj$
 $P^\circ PSC, P^\circ PiPsPSC-C\acute{r}C, C-PI\ PeP^\circ P \gg CHC \dagger C-C\bar{H}, P \cdot PsPeC\bar{H}P\mu PjP^\circ\ PSC-C,, P\mu PrP\ddot{e}P\ddot{i}C-PSC\acute{r},$
 $C, P^\circ\ PsP \pm PsC\bar{H}PsC, PSP\ddot{e}PjP\ddot{e}\ P \pm C-PsC \dots C-PjC-C \ddagger PSP\ddot{e}PjP\ddot{e}\ P \cdot PjC-PSP^\circ PjP\ddot{e}$
 $P\ddot{i}PsP \gg PsPIPeP\ddot{e}\ C\acute{r}P\ddot{i}P\mu C\bar{H}PjP^\circ C, PsP \cdot PsC-PrC-PI, C\%_oPs\ P\ddot{i}PsPiC-C\bar{H}C\epsilon C\acute{r}C\bar{H}C, CH$
 $C\acute{r}P\ddot{i}C\bar{H}PsPjPsP\bar{I}PSC-C\acute{r}C, CH\ PsC\acute{r}C, P^\circ PSPSC-C \dots PrPs\ P \cdot P^\circ P\ddot{i}P \gg C-PrPSP\mu PSPSC\bar{I}.$
 $P\ddot{i}PeC\%_oPs\ C\acute{r}P\ddot{i}C\bar{H}PsP \pm P\ddot{e}\ P \cdot P^\circ P\ddot{i}P \gg C-PrPSP\mu PSPSC\bar{I}\ in\ vitro$
 $PIP\ddot{e}C\bar{I}PIP \gg C\bar{I}C\bar{H}C, CHC\acute{r}C\bar{I} PSP\mu C\acute{r}C\acute{r}P\ddot{i}C-C\epsilon PSP\ddot{e}PjP\ddot{e}, P\ddot{i}C\bar{H}P\ddot{e}$
 $PIC-PrC\acute{r}C\acute{r}C, PSPsC\acute{r}C, C- C-PSC\epsilon P\ddot{e}C \dots P\ddot{i}PsC\bar{I}C\acute{r}PSP\mu PSCH\ P^\circ PSC, P^\circ PiPsPSC-C\acute{r}C, P\ddot{e}$
 $PeP^\circ P \gg CHC \dagger C-C\bar{H}, P \cdot PsPeC\bar{H}P\mu PjP^\circ\ PSC-C,, P\mu PrP\ddot{e}P\ddot{i}C-PS, PjPsP\bar{I}C\acute{r}C, CH$
 $C\bar{H}PsP \cdot PiP \gg C\bar{I}PrP^\circ C, P\ddot{e}C\acute{r}C\bar{I} C\bar{I}Pe\ PjPsP\bar{I}P \gg P\ddot{e}PIP^\circ\ P\ddot{i}C\bar{H}P\ddot{e}C \ddagger P\ddot{e}PSP^\circ\ C \dagger CH\bar{H}PsPiPs$
 $C\bar{I}PIP\ddot{e}C\%_oP^\circ.$

$P-PrP^\circ C, PSC-C\acute{r}C, CH\ PIP\ddot{i}P \gg P\ddot{e}PIP^\circ C, P\ddot{e}\ PSP^\circ\ C\epsilon PIP\ddot{e}PrPeC-C\acute{r}C, CH\ C\bar{H}P\mu P^\circ PeC \dagger C-C- P\ddot{i}C\bar{H}P\ddot{e}$
 $PeP\mu C\bar{H}C \acute{a} PIP^\circ PSPSC- P^\circ PIC, PsC, C\bar{H}P^\circ PSC\acute{r}P\ddot{i}PsC\bar{H}C, PsPj\ P^\circ P \pm Ps\ C-PSC\epsilon P\ddot{e}PjP\ddot{e}$
 $PjP\mu C \dots P^\circ PSC-P \cdot PjP^\circ PjP\ddot{e}.$

$P\ P\mu P^\circ PeC \dagger C-C- PSP^\circ\ P\ddot{i}C\bar{H}P\mu P\ddot{i}P^\circ C\bar{H}P^\circ C,, C\bar{I}PeC- PIC-PrC\bar{H}C-P \cdot PSC\bar{I}C\bar{H}C, CHC\acute{r}C\bar{I} P \cdot P^\circ$
 $C-PSC, P\mu PSC\acute{r}P\ddot{e}PIPsC-C\acute{r}C, C\bar{H}\ C\acute{r}\ C\bar{H}C-P \cdot PSP\ddot{e}C \dots P\ddot{i}P^\circ C \dagger C-C''PSC, C-PI, PjPsP\bar{I}C\acute{r}C, CH$
 $P\ddot{i}PsC\bar{H}C\acute{r}C\epsilon C\acute{r}PIP^\circ C, P\ddot{e}\ P \cdot PrP^\circ C, PSC-C\acute{r}C, CH\ PeP\mu C\bar{H}C\acute{r}PIP^\circ C, P\ddot{e}$
 $P^\circ PIC, PsC, C\bar{H}P^\circ PSC\acute{r}P\ddot{i}PsC\bar{H}C, PsPj\ P^\circ P \pm Ps\ P\ddot{i}C\bar{H}P^\circ C \dagger C\bar{H}PIP^\circ C, P\ddot{e}\ P \cdot C-PSC\epsilon P\ddot{e}PjP\ddot{e}$
 $PjP\mu C \dots P^\circ PSC-P \cdot PjP^\circ PjP\ddot{e}.$ $P\bar{h}C\acute{r}PsP \pm P \gg P\ddot{e}PIPs\ C \dagger P\mu\ C\acute{r}C, PsC\acute{r}C\acute{r}C''C, CHC\acute{r}C\bar{I} P\ddot{i}PsC \ddagger P^\circ C, PeC\acute{r}$
 $P \gg C-PeC\acute{r}PIP^\circ PSPSC\bar{I}, P\ddot{i}P\mu C\bar{H}P\mu C \dots PsPrC\acute{r}\ PSP^\circ\ C-PSC\epsilon P\ddot{e}PN_{\bar{e}}\ P\ddot{i}C\bar{H}P\mu P\ddot{i}P^\circ C\bar{H}P^\circ C, P^\circ P \pm Ps$
 $PsPrPSPsC \ddagger P^\circ C\acute{r}PSPsPiPs\ PIP\bar{I}P\ddot{e}PIP^\circ PSPSC\bar{I}\ P^\circ P \gg PePsPiPsP \gg C\bar{H}.$

РҮҮРiPsCҒC-P± P·P°CҒC,PsCҒCзPIP°PSPSCII C,P° PrPsP·Pө.

P"PsP·CҒPIP°PSPSCII PиCҒPөP·PSP°C±P°C" P»C-PөP°CҒ C-PSPrPөPIC-PrCҒP°P»CHbPSPs P·P°P»PμP¶PSPs PIC-Pr CҒC,P°PSCҒ C,P° CҒC,CҒPиPμPSCII C,CII¶¶PөPsCҒC,C- P·P°C...PIPsCҒCҒPIP°PSPSCII PиP°CҒC-C"PSC,P° C- P№PsPiPs C±CҒC,P»PөPIPsCҒC,C- PrPs PиCҒPμPиP°CҒP°C,CҒ. P'PөP·PSP°C±P°C"C,CHbCҒCII PμC,,PμPөC,PөPIPSC-CҒC,CH P»C-PөCҒPIP°PSPSCII C- PrPsP·CҒPIP°PSPSCII P·P°P»PμP¶PSPs PIC-Pr CҒC-PIPSII P°CҒC,PμCҒC-P°P»CHbPSPsPiPs C,PөCҒPөCҒ C,P°/P°P±Ps C±P°CҒC,PsC,Pө C- C,CII¶¶PөPsCҒC,C- PSP°PиP°PrC-PI CҒC,PμPSPsPөP°CҒPrC-C—.

P—P° C...PIPsCҒPөPjPө P· PsP±PjPμP¶PμPSPsCҒ C,,CҒPSPөCҒC-C"Ғ PиPμC±C-PSPePө PICҒC,P°PSPsPIP»CҒCҒC,CH CҒPμC,PμP»CHbPSPөP№ PSP°PiP»CIIPr, PиCҒPө PSPμPsP±C...C-PrPSPsCҒC,C- C—Pj P·PSPөP¶CҒCҒC,CH PrPsP·CҒ PиCҒPμPиP°CҒP°C,CҒ.

PҒPIPsCҒPөPj P· C,CII¶¶PөPөPjPө PиPsCҒCҒPμPSPSCII PjPө PөCҒPsPIPsPиPsCҒC,P°C±P°PSPSCII PиPsP»PsPIPSsPiPs PjPsP·PөCҒ (C,CII¶¶PөPμ CҒPμCҒPμP±CҒPsPIP°CҒPөCҒP»CII CҒPSPμ P·P°C...PIPsCҒCҒPIP°PSPSCII) PиCҒPμPиP°CҒP°C, PиCҒPөP·PSP°C±P°CҒC,CH CҒ P·PjPμPSCөPμPSPөC... PrPsP·P°C....

P—PIPөC±P°P№PSP° PиPsC±P°C,PөPsPIP° C,P° PиC-PrC,CҒPөPjCҒCҒC±P° PrPsP·P° P№PsCҒPrPөPиC-PSCҒ XL CҒ PICҒC-C... PIPөPиP°PrPөP°C... CҒC,P°PSPsPIPөC,CH 1 C,P°P±P»PμC,PөCҒ 1 CҒP°P· PSP° PrPsP±CҒ.

PμP°CҒC-C"PSC,P°Pj CҒP»C-Pr PиCҒPөP№PjP°C,Pө C,P°P±P»PμC,PөPө PrPs, PиC-Pr C±P°CҒ P°P±Ps PиC-CҒP»CII CҒPSC-PrP°PSPөCҒ, P·P°PиPөPIP°CҒC±Pө C—C... CҒPөP»CII PSPөPsCҒ PIPsPrPө. PкPμ CҒP»C-Pr P»P°PjP°C,Pө, CҒPsP·PrP°PIP»CҒPIP°C,Pө P°P±Ps CҒPsP·P¶PсPICҒPIP°C,Pө C,P°P±P»PμC,PөPө. PμP°CҒC-C"PSC,C-PI PиPsC,CҒC-P±PSPs PиCҒPsC-PSCҒC,CҒCҒPөC,CҒPIP°C,Pө, C%Ps P»C-PөP°CҒCҒPөPөP№ PиCҒPμPиP°CҒP°C, CҒP»C-Pr PиCҒPөP№PjP°C,Pө CҒPμPиCҒP»CII CҒPSPs PI PsPrPөPS C- C,PsP№ CҒP°PjPөP№ C±P°CҒ PrPsP±Pө PI PrPsP·P°C..., C%Ps PSPμ PиPμCҒPμPIPөC%CҒCҒC,CH CҒPμPөPsPjPμPSPPrPsPIP°PSC-. PиPөC%Ps P±CҒP»Ps PиCҒPsPиCҒC%PμPSPs PrPsP·CҒ, C,Ps PSPμPsP±C...C-PrPSPs PиCҒPөP№PSCII C,Pө C—C— CII PөPsPjPsPiP° CөPIPөPrCөPμ; PsPrPSP°Pө, CII PөC%Ps C±P°CҒ PиCҒPөP№PsPjCҒ PSP°CҒC,CҒPиPSPсC— PrPsP·Pө PSP°CҒC,P°PSPμ C±PμCҒPμP· PөC-P»CHbPөP° PиPsPrPөPS, PиCҒPsPиCҒC%PμPSCҒ PrPsP·CҒ PиCҒPөP№PjP°C,Pө PSPμ CҒP»C-Pr. Pj C,P°PөPsPjCҒ CҒP°P·C- PSP°CҒC,CҒPиPSCҒ PrPsP·CҒ C,CҒPμP±P° PиCҒPөP№PjP°C,Pө CҒ P·PIPөC±PSPөP№ C±P°CҒ. PкC-PөPsP»Pө PSPμ CҒP»C-Pr PиCҒPөP№PjP°C,Pө PиPsPrPIC-P№PSCҒ PrPsP·CҒ.

P"С-C,Pө.

P'PμP·PиPμPөP° C,P° PμC,,PμPөC,PөPIPSC-CҒC,CH PSC-C,,PμPrPөPиC-PSCҒ PrP»CII PrC-C,PμP№ PIPөPIC±PμPSP° PSPμPrPsCҒC,P°C,PSCHbPs, C,PsPjCҒ CҒPμP№ PиCҒPμPиP°CҒP°C, PSPμ PиCҒPөP·PSP°C±P°CҒC,CH PrC-C,CII Pj (PIC-PөPsPj PrPs 18 CҒPsPөC-PI).

РμPμCҒPμPrPsP·CзPIP°PSPSCII.

PҮPөPjPиC,PsPjPө

РҮРөРјРіС,РsРјРө, С%Ps СГРіРsСГС,РмСҖС-РiР°СҖС,СҖСГСЦ РіСҖРө С,СЦР¶Р¶РeС-Р№ С-РSC,РsРeСГРөРeР°СГС-С— РіС-СГР»СЦ РіСҖРөР№РsРјСР РІРөСГРsРeРөС... РrРsР· РSC-С,,РмРrРөРіС-РSCр: РіРsСҖСРсР¶РмРSPSCЦ СГРіС-РrРsРјРsСГС,С- Р°Р¶ РrРs РeРsРјР°С,РsР·РSPsРіРs СГС,Р°РSCр, Р°СҖС,РмСҖС-Р°Р»СҖРSP° РіС-РіРsС,РмРSP·С-СЦ, С,Р°С...С-РeР°СҖРrС-СЦ, Р±СҖР°РrРөРeР°СҖРrС-СЦ, РіС-РіРмСҖРіР»С-С-РeРмРјС-СЦ, РјРмС,Р°Р±РsР»С-СҖРSPөР№ Р°СГРөРrРsР·, РіС-РіРsРeСГС-СЦ, РeР°СҖРrС-РsРіРмРSPSPөР№ СРsРe Р· РSP°Р±СҖСЦРeРsРј Р»РмРіРмРSC-РІ.

Р>С-РeСГРІР°РSPSCЦ

Рј СҖР°Р·С- РSPмРsР±С...С-РrРSPsСГС,С- Р»С-РeСГРІР°РSPSCЦ РіРмСҖРмРrРsР·СГРІР°РSPSCЦ РіСҖС-РsСҖРөС,РмС,РSPөРј С” РІРөРІРмРrРмРSPSCЦ РSC-С,,РмРrРөРіС-РSCр С- РіС-РrРSPsРІР»РмРSPSCЦ СГС,Р°Р±С-Р»СҖРSPsРіРs СГС,Р°РSCр СГРмСҖСРмРІРs- СГСРrРөРSPSPsС— СГРөСГС,РмРјРө. Р’РөРІРмРrРмРSPSCЦ РіРsРІРөРSPSPм Р±СГС,Рө СЦРeРsРјРsРіР° РіРsРІРSC-СРөРөРј, РІРeР»СҖСР°СҖРө С,РsРSPeРөР№ РeРөСРмСҖРSPөРe РrР»СЦ Р·Р°РіРsР±С-РіР°РSPSCЦ РіРsРrР°Р»СҖСРөС— Р°Р±СГРsСҖР±СГС-С— Р°РeС,РөРІРSPsС— СҖРмСҖРsРІРөРSPө.

РмРмСҖРмРІР°РіР° РsР±СҖРsР±РeРө СР»СГРSPeР° С” РSPмРІРөР·РSP°СҖРмРSPsСҖ.

1. Р—Р°СГС,РsСГСГРІР°РSPSCЦ Р°РeС,РөРІРsРІР°РSPsРіРs РіСГРіС-Р»Р»СЦ (50 Рі РrР»СЦ РrРsСҖРsСГР»РөС..., 1 Рі/РeРі РrР»СЦ РrС-С,РмР№) РіСҖРsС,СЦРіРsРј 1 РіРsРrРөРSPө РіС-СГР»СЦ РіСҖРөР№РsРјСР РіРsС,РмРSCГС-Р№РSPs С,РsРeСГРөСҖРSPsС— РeС-Р»СҖРeРsСГС,С-.

РкРмРјР°С” РrРsРeР°Р·С-РІ, С%Ps РіС-Р·РSC” РІРІРмРrРмРSPSCЦ Р°РeС,РөРІРsРІР°РSPsРіРs РіСГРіС-Р»Р»СЦ РјРsР¶Рм Р±СГС,Рө РeРsСҖРөСГРSPөРј РіС-СГР»СЦ Р·Р°СГС,РsСГСГРІР°РSPSCЦ РіСҖРмРіР°СҖР°С,С-РІ Р· РіСҖРsР»РsРSPіРsРІР°РSPsСҖ РrС-С”СҖ (РјРsРrРөС,,С-РeРsРІР°РSPөРј РІРөРіС-Р»СҖРSPмРSPSCЦРј).

2. РІРe Р°Р»СҖС,РмСҖРSP°С,РөРІіСГ СГР»С-Рr СҖРsР·РіР»СЦРсС,Рө РіСҖРsРјРөРІР°РSPSCЦ СР»СГРSPeР° СГ РrРsСҖРsСГР»РөС... РіСҖРsС,СЦРіРsРј 1 РіРsРr РіС-СГР»СЦ РіСҖРөР№РsРјСР РіРsС,РмРSCГС-Р№РSPs РSPмР±РмР·РіРмСҖРSPөС... РrР»СЦ Р¶РөС,С,СЦ РrРsР·.

3. Р—Р°СГС,РsСГСГРІР°РSPSCЦ Р°РeС,РөРІРsРІР°РSPsРіРs РіСГРіС-Р»Р»СЦ РeРsР¶РSC- 4 РіРsРrРөРSPө С,Р° РsРrРSPsСҖР°Р·РsРІs РsСГРјРsС,РөСҖРSPsРіРs РіСҖРsРSPsСГРSPsРіРs (РSP°РіСҖРөРeР»Р°Рr, СГРsСҖР±С-С,, Р»Р°РeС,СГР»РsР·Р° Р°Р±Рs РјР°РіРSC-СҖ СГСР»СҖС,,Р°С,).

4. РмС-СГР»СЦ Р·Р°СГС,РsСГСГРІР°РSPSCЦ РІРөСГРsРeРөС... РrРsР· РіСҖРмРіР°СҖР°С,СГ Р·Р° РіР°СГС-С”РSC,Р°РјРө Р±РмР· СГРөРјРіС,РsРјС-РІ РіРмСҖРмРrРsР·СГРІР°РSPSCЦ СГР»С-Рr СГРіРsСГС,РмСҖС-РіР°С,Рө РіСҖРsС,СЦРіРsРј РSPм РјРмРSCРм 4 РіРsРrРөРPS С,Р° РіСҖРsС,СЦРіРsРј 12 РіРsРrРөРPS РіС-СГР»СЦ Р·Р°СГС,РsСГСГРІР°РSPSCЦ РіСҖРмРіР°СҖР°С,СГ Р· РјРsРrРөС,,С-РeРsРІР°РSPөРј РІРөРіС-Р»СҖРSPмРSPSCЦРј.

Р”РмРјРsРrС-Р°Р»С-Р· С” РSPмРмС,,РмРeС,РөРІРSPөРј РіСҖРө РІРөРrР°Р»РмРSPSC- РSC-С,,РмРrРөРіС-РSCр Р· РsСҖРіР°РSC-Р·РјСГ. Р РмРeРsРјРмРSPrРsРІР°РSPs Р·Р°СГС,РsСГСГРІР°С,Рө РіР»Р»Р°Р·Р°С,,РмСҖРмР· СҖРмСҖРмР· РІРөСГРsРeРөР№ СҖС-РІРмРSCH Р·РІБҖ™ СЦР·СГРІР°РSPSCЦ Р· Р±С-Р»РeР°РјРө РіР»Р»Р°Р·Рө РeСҖРsРіС- С,Р° РіС-РrРSPsСГРSPs РSPөР·СҖРeРөР№ РsР±СГСЦРі СҖРsР·РіРsРrС-Р»СГ.

РҖСҖС,РмСҖС-Р°Р»СҖРс РіС-РіРsС,РмРSP·С-СҖ Р· РSP°СГС,СГРіРSPөРј

PeP°CḡPrC-PsPiPμPSPSPëPj C€PsPePsPj C,P° P°CḡC,PμCḡC-P°P»CHbPSPsCḡ
 PIP°P·PsPrPëP»P°C,P°C†C-C”Cḡ PjPsP¶PSP° P»C-PeC†PIP°C,Pë PeP°P»CHbC†C-C”Pj (10bḡ”20
 PjP» 10 % CḡPsP·C†PëPSC† PiP»CḡPePsPSP°C,C† PeP°P»CHbC†C-Cḡ PIPiPsPrPëC,Pë
 PIPSC†C,CḡC-C€PSCḡPsPIPμPSPSPs PiCḡPsC,C†PiPsPj 5bḡ”10 C...PIPëP»PëPS). P†PeC%oPs
 PμC,,PμPeC,Pë C” PSPμPrPsC†C,P°C,PSC-PjPë, C,Ps P»C-PeC†PIP°PSPSC† PjPsP¶Pμ P±C†C,Pë
 PiCḡPsPrPsPIP¶PμPSPs P· PePsPSC,CḡPsP»PμPj P•PḡP”. PḡCḡPë PSPμPrPsC†C,P°C,PSCḡPsPjC†
 PiC-PrPIPëC%oPμPSPSC- P°CḡC,PμCḡC-P°P»CHbPSPsPiPs C,PëC†PeC† PeP°P»CHbC†C-C”Pj
 C†P»C-Pr PIPiPμC†C,Pë C†C†PrPëPSPsP·PIC†P¶C†PIP°P»CHbPSC-
 C†PëPjPiP°C,PsPjC-PjPμC,PëPePë, C,P°PeC- C†Pe PrPsPiP°PjC-PS P°P±Ps
 PSPsCḡP°PrCḡPμPSP°P»C-PS. P”PsP·C†PIP°PSPSC† C†PëC... PiCḡPμPiP°CḡP°C,C-PI C†P»C-Pr
 PIPëP·PSP°C†PëC,Pë C† PIC-PrPiPsPIC-PrCHb PSP° CḡPμP°PeC†C-Cḡ PiP°C†C-C”PSC,P°.

PḢPëPjPiC,PsPjP°C,PëC†PSC† P±CḡP°PrPëPeP°CḡPrC-Cḡ C†C†C†PIP°C,Pë P·P°
 PrPsPiPsPjPsPiPsCḡ P°C,CḡPsPiC-PSC†, β-C†PëPjPiP°C,PsPjC-PjPμC,PëPeC-PI, C† P±C-P»CHbC€
 C,C†P¶PePëC... PIPëPiP°PrPeP°C... PSPμPsP±C...C-PrPSPμ C,PëPjC†P°C†PsPiPμ
 P·P°C†C,PsC†C†PIP°PSPSC† PeP°CḡPrC-PsC†C,PëPjC†P»C†C,PsCḡP°.

PḢP»C-Pr P· PsP±PμCḡPμP¶PSC-C†C,Cḡ P·P°C†C,PsC†PsPIC†PIP°C,Pë PrPsPrP°C,PePsPIC-
 PsP±bḡ™ C”PjPë CḡC-PrPëPSPë, C%oPsP± C†PSPëPePSC†C,Pë PiPμCḡPμPIP°PSC,P°P¶PμPSPSC†
 C†PμCḡC†C†.

PμPsP±C-C†PSC- CḡPμP°PeC†C-C—.

PḡPsP±C-C†PSC- CḡPμP°PeC†C-C—, C%oPs PjPsP¶C†C,CHb PIPëPSPëPePSC†C,Pë PiC-Pr C†P°C†
 P·P°C†C,PsC†C†PIP°PSPSC† PSC-C,,PμPrPëPiC-PSC†, CḡPsP·PiPsPrC-P»PμPSC- PSP° C,P°PeC-
 PiCḡC†PiPë P·PiC-PrPSPs P· C—C...PSCḡPsCḡ C†P°C†C,PsC,PsCḡ:

- bḡ” C†P°C†C,Ps (> 1/100bḡ”< 1/10);
- bḡ” PSPμC†P°C†C,Ps (> 1/1000bḡ”< 1/100);
- bḡ” CḡC-PrPePs (> 1/10000bḡ”< 1/1000);

bḡ” PSPμPIC-PrPsPjPs (PSPμ PjPsP¶PSP° PIPëP·PSP°C†PëC,Pë P·P° PSP°C†PIPSPëPjPë
 PrP°PSPëPjPë).

Pj PjPμP¶P°C... PePsP¶PSPsC— PiCḡC†PiPë P·P° C†P°C†C,PsC,PsCḡ PiPsP±C-C†PSC-
 CḡPμP°PeC†C-C— PiCḡPμPrC†C,P°PIP»PμPSC- C† PiPsCḡC†PrPeC† P·PjPμPSC€PμPSPSC†
 C†PμCḡPNëPsP·PSPsC†C,C-.

PḢPëC†C,PμPjP° PsCḡPiP°PSC-PI P— P±PsPeC† C†PeC†C,PμPjPë PeCḡPsPIC- C,P° P»C-PjC,P°C,PëC†PSPsC— C†PeC†C,PμPjPë	PrC†P¶Pμ C†P°C†C,Ps	C†P°C†C,Ps	PSPμC†P°C†C,Ps	CḡC-PrPePs P»PμPḡPePsPiPμPSC-C†, P°PSPμPjC-C†, C,CḡPsPjP±PsC†PëC,PsPiPμPSC-C†, C,CḡPsPjP±PsC†PëC,PsPiPμPSC-C†PSP° PiCḡCḡPiCḡCḡP° PeCḡPsPiPëPḡḡ™C†PSPeP°	PrC†P¶Pμ CḡC-PrPePs P°PICḡP°PSC†P»PsC†PëC,PsP·	PSPμPIC-PrPsPjPs
P— P±PsPeC† C-PjC†PSPSPsC— C†PeC†C,PμPjPë			P°P»PμCḡPiC-C†PSC- CḡPμP°PeC†C-C—, P°P»PμCḡPiC-C†PSPëPḡ PSP°P±CḡC†Pe/ PḡPIC-PSPePμ PSP°P±CḡC†Pe PḡPIC-PSPePμ (PiPeP»CḡC†P°CḡC†Pë PSP°P±CḡC†Pe PiPsCḡC,P°PSC-°), C†PiPμCḡP±C-P¶, PiPëC†PëPiP°PSPSC† C,CḡPePiPsP¶PSC-C†C,CHb, PiPsCḡC†CḡPμPSPSC† C†PSC†			P°PSP°C,C-P»P°PeC,PëC†PSP°/ P°PSP°C,C-P»P°PeC,PsC—PrPSP° CḡPμP°PeC†C-C†
PμPsCḡC†CḡPμPSPSC† PiC†PëC...C-PëPë P— P±PsPeC† PjPμC,P°P±PsP»C-P-PjC† C,P° C,CḡP°PiP»PμPSPSC† P— P±PsPeC† PsPiCḡPiPsPiPsC— C†PeC†C,PμPjPë	PiPsP»PsPiPSPëPḡ P±C-P»CHb	PiPμCḡC,PëPiPs, P·PḡPḡPiPsCḡPsCḡPμPSPSC†, C†P°P±PeC-C†C,CHb	PjC-PiCḡPμPSCḡ C,CḡPμPiPsCḡ, PiP°CḡP°C†C,PμP·C-C†, PrPeP·PμC†C,PμP·C-C†, C†PsPSP»PePIC-C†C,CHb	PIC-PiPμCḡPiP»C-PePμPjC-C†		PIC-PiPμC†C,PμP·C-C†

P_μP_sPIC-PrP_sPjP»P_μPSPSCΠ ΠiC₇Ps ΠiPsP±C-C‡PSC- C₇P_μP°PeC†C-C— ΠiC-CΓP»CΠ
C₇P_μC”CΓC,C₇P°C†C-C— P»C-PeP°C₇CΓCHPePsPiPs P·P°CΓPsP±Cr PjP°C”
PIP°P¶P»PëPIP_μ P·PSP°C‡P_μPSPSCΠ. ΠiP_μ PrP°C” P·PjPsPiCr ΠiC₇PsPIPsPrPëC,Pë
PjPsPSC-C,P_sC₇PëPSPi CΓΠiC-PIPIC-PrPSPsC€P_μPSPSCΠ PePsC₇PëCΓC,CH/C₇PëP·PëPe
ΠiC₇Pë P·P°CΓC,P_sCΓCrPIP°PSPSC- C†CHPsPiPs P»C-PeP°C₇CΓCHPePsPiPs
P·P°CΓPsP±Cr. P_ϋP_μPrPëC‡PSPëPj C,P° C,,P°C₇PjP°C†P_μPIC,PëC‡PSPëPj
ΠiC₇P°C†C-PIPSPëPeP°Pj, P° C,P°PePsP¶ ΠiP°C†C-C”PSC,P°Pj P°P±Ps C—C...PSC-Pj

P·P°PePsPSPSPëPj PïCḡPμPrCíC,P°PIPSPëPeP°Pj CíP»C-Pr PïPsPIC-PrPsPjP»CıC,Pë
PïCḡPs CrCíC- PIPëPïP°PrPePë PïC-PrPsP·CḡCḡPIP°PSPëC... PïPsP±C-C‡PSPëC...
CḡPμP°PeC†C-C— CḡPμP°PeC†C-PNë C,P° PIC-PrCíCíC,PSPsCíC,C-
PμC,,PμPeC,PëPIPSPsCíC,C- P»C-PeP°CḡCíCḡPePsPiPs P·P°CíPsP±Cí C‡PμCḡPμP·
PḡPIC,PsPjP°C,PëP·PsPIP°PSCí CíPëCíC,PμPjCí C,,P°CḡPjP°PePsPSP°PiP»CıPrCí P·P°
PïPsCíPëP»P°PSPSCıPj: <https://aisf.dec.gov.ua>.

PŸPμCḡPjC-PS PïCḡPëPrP°C,PSPsCíC,C-.

3 CḡPsPePë.

PJPjPsPIPë P·P±PμCḡC-PiP°PSPSCı.

P”P»Cı P»C-PeP°CḡCíCḡPePsPiPs PïCḡPμPïP°CḡP°C,Cí PSPμ PïPsC,CḡC-P±PSC-
CíPïPμC†C-P°P»CḡPSC- CíPjPsPIPë P·P±PμCḡC-PiP°PSPSCı. P—P±PμCḡC-PiP°C,Pë Cí
PSPμPrPsCíC,CíPïPSPsPjCí PrP»Cı PrC-C,PμPNë PjC-CíC†C-.

PJPïP°PePsPIPeP°.

PμPs 10 C,P°P±P»PμC,PsPe Cí P±P»C-CíC,PμCḡC-, PïPs 2 P±P»C-CíC,PμCḡPë Cí
PeP°CḡC,PsPSPSC-PNë PePsCḡPsP±C†C-.

PŁP°C,PμPiPsCḡC-Cı PIC-PrPïCíCíPëCí. P—P° CḡPμC†PμPïC,PsPj.

P’PëCḡPsP±PSPëPe.

PŁP PŁPḡ, Pr.Pr., PķPsPIPs PjPμCíC,Ps/KRKA, d.d., Novo mesto.

**PḢC-CíC†PμP·PSP°C...PsPrP¶PμPSPSCı PIPëCḡPsP±PSPëPeP° C,P° PNëPsPiPs
P°PrCḡPμCíP° PjC-CíC†Cı PïCḡPsPIP°PrP¶PμPSPSCı PrC-CıP»CḡPSPsCíC,C-.**

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