

PhClPSPsPIPSC- C,,C-P·PëPePs-C...C-PjC-C±PSC- PIP»P°ClC,PëPIPsClC,C-: C,PIPµCḤPṛC- P¶PµP»P°C,PëPSPsPIC- PeP°PìClCṛP»Pë P· PePsCḤPìCṛClCṛPsPj PsCḤP°PSP¶PµPIPsPiPs PePsP»CḤPsCḤCṛ C,P° PeCḤPëC€PµC±PePsCḤ PsP»PëPIPePsPIPsPiPs PePsP»CḤPsCḤCṛ. P' PeP°PìClCṛP»C- PjC-ClC,CḶC,CḤClCḶ PìPµP»PµC,Pë P±C-P»PsPiPs P°P±Ps PjP°PNëP¶Pµ P±C-P»PsPiPs PePsP»CḤPsCḤCṛ.

PḥP±CfPScThP±CfC-Cl. PÿP°PjCfCfP»PsP·PëPS C€PIPëPrPePs C,P° PjP°PNpPμ
PiPsPIPSC-CfC,Cḥ PICfPjPsPeC,CfC"C,CḥCfCl P·PePëC€PμC†PSPëPeCr.
P'CfPjPsPeC,CfPIP°PSPSCl CfPiPsPIC-P»CḥPSCḥC"C,CḥCfCl, ClPeC%Ps PiCḥPμPiP°CḥP°C,
P·P°CfC,PsCfPsPICfPIP°P»Pë PiC-CfP»Cl C—PrPë. P C-PIPSPsPjC-CḥPSPsPiPs
PIPëPIC-P»CḥPSPμPSPSCl PrC-CḥC†PsC— CḥPμC†PsPIPëPSPë PjPsPμPSP° PrPsCfClPiC,Pë,
ClPeC%Ps PiCḥPëPNpPjP°C,Pë C,P°PjCfCfP»PsP·PëPS PI PsPrPëPS C- C,PsPN CfP°PjPëPN
C†P°Cf PiC-CfP»Cl PiCḥPëPNpPsPjCf C—PμC-. PÿP°PjCfCfP»PsP·PëPSCf PIP»P°CfC,PëPIP°
P»C-PSC-PNpPSP° PeC-PSPμC,PëPeP°. PμC-PePsPIC- CḥC-PIPSC- PI PiP»P°P·PjC- PeCḥPsPIC-

PrPsCfCfPiP°CfC,ChCfCfCf PiCfPëP±P»PëP·PSPs C±PμCfPμP· 6 PiPsPrPëPS PiC-CfP»CfC
 PsPrPSPsCfP°P·PsPIPsC— PrPsP·Pë C,P°PjCfCfP»PsP·PëPSCf, CfPeCf PiCfPëPNëPSCfP»Pë
 PiC-CfP»CfC C—PrPë. PŸC,P°P±C-P»ChPSP° PePsPSCfPμPSC,CfP°CfC-CfC
 PrPsCfCfPiP°C”C,ChCfCfCf PSP° 5 PrPsP±Cf PiC-CfP»CfC C%PsPrPμPSPSPsPiPs
 PiCfPëPNëPsPjCf PiCfPμPiP°CfP°C,Cf, PiCfPë CfChPsPjCf PjP°PeCfPëPjP°P»ChPSP°
 PePsPSCfPμPSC,CfP°CfC-CfC PI PiP»P°P·PjC- PeCfPSPIC- PSP° ²/₃ PIPëC%P°, PSC-P
 PiC-CfP»CfC PiCfPëPNëPsPjCf CfP°P·PsPIPsC— PrPsP·Pë. PfPsC±P° CfC- PrP°PSC-
 CfC,PsCfCfCfC,ChCfCfCf C,C-P»ChPePë PiP°CfC-C”PSC,C-PI P»C-C,PSChPsPiPs PIC-PeCf,
 PjPsP¶PSP° PsC±C-PeCfPIP°C,Pë P°PSP°P»PsPiC-C±PSPëPNë CfPμP·CfP»ChC,P°C, Cf
 PiP°CfC-C”PSC,C-PI PjPsP»PsPrC€PsPiPs PIC-PeCf.

P C-PIPSC- C,P°PjCfCfP»PsP·PëPSCf PI PiP»P°P·PjC- PeCfPSPIC- Cf CfC-P·PSPëC...
 PiP°CfC-C”PSC,C-PI PjPsP¶CfC,Ch CfCfC,C,C”PIPs PIC-PrCfC-P·PSCfC,PëCfCfC CfPe
 PiC-CfP»CfC CfP°P·PsPIPsC— PrPsP·Pë, C,P°Pe C- PiC-CfP»CfC P±P°PiP°C,PsCfP°P·PsPIPsPiPs
 P·P°CfC,PsCfCfPIP°PSPSCfC.

P PsP·PiPsPrC-P». P—PIbŸ™ CfP·CfPIP°PSPSCfC P· P±C-P»PeP°PjPë PiP»P°P·PjPë PeCfPSPIC- bŸ”
 99 %. PhP±bŸ™ C”Pj CfPSP·PiPsPrC-P»Cf PSPμP·PSP°C±PSPëPNë (PiCfPëP±P»PëP·PSPs
 0,2 P»/PePi).

PμPμC,P°P±PsP»C-P·Pj. PŸP°PjCfCfP»PsP·PëPS PSPμ PiC-PrPrP°C”C,ChCfCfCf PμC,,PμPeC,Cf
 PiPμCfC€PsPiPs PiCfPSPC...PsPrP¶PμPSPSCfC C- PiPsPIC-P»ChPSPs
 PjPμC,P°P±PsP»C-P·CfC”C,ChCfCfCf PI PiPμC±C-PSCfC- P· CfC,PIPsCfPμPSPSCfCj
 C,,P°CfPjP°PePsP»PsPiC-C±PSPs P°PeC,PëPIPSPëC... PjPμC,P°P±PsP»C-C,C-PI, C%Ps
 P·P±PμCfC-PiP°CfC,Ch PIPëCfPSPeCf CfPμP»PμPeC,PëPIPSC-CfC,Ch PrPs α₁-
 P°PrCfPμPSPsCfPμCfPμPiC,PsCfC-PI. P’C-P»ChC€P° C±P°CfC,PëPSP° P°PeC,PëPIPSPsC—
 CfPμC±PsPIPëPSPë PiCfPëCfCfC,PSCfC PI PeCfPSPIC- Cf PSPμP·PjC-PSPμPSPsPjCf
 PIPëPiP»CfPrC-.

P’PëPIPμPrPμPSPSCfC. PŸP°PjCfCfP»PsP·PëPS C- PNëPsPiPs PjPμC,P°P±PsP»C-C,Pë
 PIPëPIPsPrCfC,ChCfCfCf PiPsP»PsPIPSPëPj C±PëPSPsPj C-P· CfPμC±PμCf, PiCfPëC±PsPjCf
 PiCfPëP±P»PëP·PSPs 9 % PrPsP·Pë PIPëPIPsPrPëC,ChCfCfCf PI PSPμP·PjC-PSPμPSPsPjCf
 PIPëPiP»CfPrC-.

PμC-CfP»CfC CfP°P·PsPIPsPiPs PiCfPëPNëPsPjCf PrPsP·Pë C,P°PjCfCfP»PsP·PëPSCf PiC-CfP»CfC
 C—PrPë C,P° PiCfPë CfC,P°P±C-P»ChPSC-PNë PePsPSCfPμPSC,CfP°CfC-C— Cf PiP»P°P·PjC-
 PeCfPSPIC- PiPμCfC-PsPrPë PSP°PiC-PIIPëPIPμPrPμPSPSCfC PIC-PrPiPsPIC-PrPSPs
 CfC,P°PSPsPIP»CfC,Ch PiCfPëP±P»PëP·PSPs 10 C,P° 13 PiPsPrPëPS.

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

PμPsPeP°P·P°PSPSCfC.

P>C-PeCfPIP°PSPSCfC C,,CfPSPeCfC-PsPSP°P»ChPSPëC... CfPSP·P»P°PrC-PI P· P±PsPeCf
 PSPëP¶PSC-C... CfPμC±PsPIPëPIC-PrPSPëC... C€P»CfC...C-PI PiCfPë
 PrPsP±CfPSPCfPeC-CfPSC-PNë PiC-PiPμCfPiP»P°P·C-C— PiCfPSPCfC,P°C,Pë.

PμCfPSPC,PëPiPsPeP°P·P°PSPSCfC.

B. $P^{\circ}C - \text{PiP}_{\mu}C\bar{H}C\bar{C}rC, P \gg \text{P}\bar{e}PIC - C\bar{r}C, CH \text{ PrPs } C, P^{\circ}PjC\bar{r}C\bar{r}P \gg \text{PsP} \cdot \text{P}\bar{e}PSC\bar{r}$
 $PiC - \text{Pr}C\bar{H}PsC...P \gg \text{Ps}C\bar{H}P\bar{e}PrC\bar{r}, \text{PIPeP} \gg C\bar{H}C\bar{P}^{\circ}C\bar{H}C\bar{P}\bar{e} PjP_{\mu}PrP\bar{e}PeP^{\circ}PjP_{\mu}PSC, \text{PsP} \cdot \text{PSPs}$
 $C - \text{PSPrC}\bar{r}PePsPIP^{\circ}PSP\bar{e}PN_{\bar{e}} P^{\circ}PSPiC - \text{PsPSP}_{\mu}PIC\bar{H}PsC, P\bar{e}C\bar{P}SP\bar{e}PN_{\bar{e}} \text{PSP}^{\circ}P \pm C\bar{H}C\bar{L}IPe, P^{\circ}P \pm Ps \text{ PrPs}$
 $P \pm C\bar{r}PrCH - C\bar{L}IPePsC - P \cdot \text{PrPsPiPsPjC} - P\bar{P}SP\bar{e}C... C\bar{H}P_{\mu}C\bar{P}PsPIP\bar{e}PS;$

B. $\text{Ps}C\bar{H}C, \text{Ps}C\bar{r}C, P^{\circ}C, P\bar{e}C\bar{P}SP^{\circ} PiC - \text{PiPsC}, P_{\mu}PSP \cdot C - C\bar{L} PI P^{\circ}PSP^{\circ}PjPSP_{\mu}P \cdot C -;$

B. $C, C\bar{L}IP\bar{P}eP^{\circ} \text{PiP}_{\mu}C\bar{P}C - \text{PSPePsPIP}^{\circ} \text{PSP}_{\mu}PrPsC\bar{r}C, P^{\circ}C, \text{PSC} - C\bar{r}C, CH.$

$P^{\circ}P \cdot P^{\circ}C^{\circ}PjPsPrC - C\bar{L} P \cdot C - \text{PSC}\bar{e}P\bar{e}PjP\bar{e} P \gg C - \text{PeP}^{\circ}C\bar{H}C\bar{r}CHPeP\bar{e}PjP\bar{e} P \cdot P^{\circ}C\bar{r}PsP \pm P^{\circ}PjP\bar{e} C, P^{\circ}$
 $C - \text{PSC}\bar{e}C - \text{PIP}\bar{e}PrP\bar{e} PIP \cdot P^{\circ}C^{\circ}PjPsPrC - PN_{\bar{e}}.$

$P^{\circ}PsC\bar{r}P \gg C - \text{PrP}\bar{P}_{\mu}PSPSC\bar{L} PIP \cdot P^{\circ}C^{\circ}PjPsPrC - C - \text{Pi}C\bar{H}PsPIP\bar{e}PrP\bar{e}P \gg \text{P}\bar{e}C\bar{r}C\bar{L} C, C - P \gg CHPeP\bar{e} P \cdot P^{\circ}$
 $C\bar{r}C\bar{P}^{\circ}C\bar{r}C, CH \text{ PrPs}C\bar{H}PsC\bar{r}P \gg \text{P}\bar{e}C...$

$P_{\mu}C\bar{H}P\bar{e} \text{PsPrPSPsC}\bar{P}^{\circ}C\bar{r}PSPsPjC\bar{r} P \cdot P^{\circ}C\bar{r}C, \text{Ps}C\bar{r}C\bar{r}PIP^{\circ}PSPSC - C, P^{\circ}PjC\bar{r}C\bar{r}P \gg \text{PsP} \cdot \text{P}\bar{e}PSC\bar{r}$
 $PiC - \text{Pr}C\bar{H}PsC...P \gg \text{Ps}C\bar{H}P\bar{e}PrC\bar{r} P \cdot P^{\circ}C, P_{\mu}PSPsP \gg \text{PsP} \gg \text{PsPj}, P_{\mu}PSP^{\circ}P \gg P^{\circ}PiC\bar{H}P\bar{e}P \gg \text{PsPj},$
 $PSC - C, P_{\mu}PrP\bar{e}PiC - PSPsPj, PrP\bar{e}PiPsPeC\bar{r}P\bar{e}PSPsPj P^{\circ}P \pm Ps C, P_{\mu}PsC, C - P \gg C - PSPsPj$
 $P \gg C - \text{PeP}^{\circ}C\bar{H}C\bar{r}CHPePsC - PIP \cdot P^{\circ}C^{\circ}PjPsPrC - C - PSP_{\mu} PIC - \text{PrP} \cdot \text{PSP}^{\circ}C\bar{P}^{\circ}P \gg \text{Ps}C\bar{r}C\bar{L}.$
 $PhPrPSPsC\bar{P}^{\circ}C\bar{r}PSP_{\mu} P \cdot P^{\circ}C\bar{r}C, \text{Ps}C\bar{r}C\bar{r}PIP^{\circ}PSPSC\bar{L} P \cdot C\bar{r}P\bar{e}PjP_{\mu}C, P\bar{e}PrP\bar{e}PSPsPj$
 $PiC - \text{Pr}PIP\bar{e}C\bar{r}C^{\circ}, P^{\circ} P \cdot C, C\bar{r}C\bar{H}PsC\bar{r}P_{\mu}PjC - \text{PrPsPj} - P \cdot \text{PSP}\bar{e}P\bar{P}C\bar{r}C^{\circ}$
 $PePsPSC\bar{r}P_{\mu}PSC, C\bar{H}P^{\circ}C\bar{r}C - CH C, P^{\circ}PjC\bar{r}C\bar{r}P \gg \text{PsP} \cdot \text{P}\bar{e}PSC\bar{r} PI \text{PiP} \gg P^{\circ}P \cdot PjC - \text{Pe}C\bar{H}PsPIC -, P^{\circ}P \gg P_{\mu}$
 $\text{Ps}C\bar{r}PeC - P \gg CHPeP\bar{e} C\bar{r}C - C\bar{H}C - \text{PIPSC} - P \cdot P^{\circ}P \gg \text{P}\bar{e}C\bar{e}P^{\circ}CHC, CHC\bar{r}C\bar{L} PI PjP_{\mu}P\bar{P}^{\circ}C... PSPsC\bar{H}PjP\bar{e},$
 $C\bar{r} C\bar{r}PiP_{\mu}C\bar{r}C - P^{\circ}P \gg CHPSC - PN_{\bar{e}} \text{PePs}C\bar{H}P_{\mu}PeC\bar{r}C - C - \text{PrPsP} \cdot C\bar{r}PIP^{\circ}PSPSC\bar{L}$
 $C, P^{\circ}PjC\bar{r}C\bar{r}P \gg \text{PsP} \cdot \text{P}\bar{e}PSC\bar{r} \text{PSP}_{\mu}PjP^{\circ}C^{\circ} \text{PiPsC}, C\bar{H}P_{\mu}P \pm P\bar{e}.$

$Pj \text{PrPs}C\bar{r}P \gg C - \text{PrP}\bar{P}_{\mu}PSPSC\bar{L}C... \text{in vitro } PrC - P^{\circ}P \cdot P_{\mu}PiP^{\circ}Pj, PiC\bar{H}PsPiC\bar{H}P^{\circ}PSPsP \gg \text{PsP} \gg,$
 $C, C\bar{H}P\bar{e}C...P \gg \text{Ps}C\bar{H}PjP_{\mu}C, C - P^{\circ}P \cdot P\bar{e}Pr, C...P \gg \text{Ps}C\bar{H}PjP^{\circ}PrP\bar{e}PSPsPS, P^{\circ}PjC - C, C\bar{H}P\bar{e}PiC, P\bar{e}P \gg C - PS,$
 $PrP\bar{e}PeP \gg \text{PsC}, P_{\mu}PSP^{\circ}Pe, PiP \gg C - P \pm P_{\mu}PSPeP \gg P^{\circ}PjC - Pr, C\bar{r}P\bar{e}PjPIP^{\circ}C\bar{r}C, P^{\circ}C, P\bar{e}PS C, P^{\circ}$
 $PIP^{\circ}C\bar{H}C, P^{\circ}C\bar{H}P\bar{e}PS \text{PSP}_{\mu} PIPiP \gg P\bar{e}PIP^{\circ}P \gg \text{P}\bar{e} \text{PSP}^{\circ} PIC - P \gg CHPSC\bar{r} C, C\bar{H}P^{\circ}PeC\bar{r}C - CH$
 $C, P^{\circ}PjC\bar{r}C\bar{r}P \gg \text{PsP} \cdot \text{P}\bar{e}PSC\bar{r} PI \text{PiP} \gg P^{\circ}P \cdot PjC - \text{Pe}C\bar{H}PsPIC - P \gg CHPrP\bar{e}PSP\bar{e}.$
 $P_{\mu}PsPrC - P \pm \text{PSP}\bar{e}Pj C\bar{P}\bar{e}PSPsPj C, P^{\circ}PjC\bar{r}C\bar{r}P \gg \text{PsP} \cdot \text{P}\bar{e}PS \text{PSP}_{\mu} P \cdot PjC - \text{PSC}\bar{H}PIP^{\circ}PI$
 $C\bar{H}C - \text{PIP}_{\mu}PSC\bar{H} PIC - P \gg CHPSP\bar{e}C... C, C\bar{H}P^{\circ}PeC\bar{r}C - PN_{\bar{e}} PrC - P^{\circ}P \cdot P_{\mu}PiP^{\circ}PjC\bar{r},$
 $PiC\bar{H}PsPiC\bar{H}P^{\circ}PSPsP \gg \text{PsP} \gg C\bar{r}, C, C\bar{H}P\bar{e}C...P \gg \text{Ps}C\bar{H}PjP_{\mu}C, C - P^{\circ}P \cdot P\bar{e}PrC\bar{r} C, P^{\circ}$
 $C...P \gg \text{Ps}C\bar{H}PjP^{\circ}PrP\bar{e}PSPsPSC\bar{r} PI \text{PiP} \gg P^{\circ}P \cdot PjC - \text{Pe}C\bar{H}PsPIC - P \gg CHPrP\bar{e}PSP\bar{e}. P_{\mu}C\bar{H}PsC, P_{\mu}$
 $PrP\bar{e}PeP \gg \text{PsC}, P_{\mu}PSP^{\circ}Pe C, P^{\circ} PIP^{\circ}C\bar{H}C, P^{\circ}C\bar{H}P\bar{e}PS PjPsP\bar{P}C\bar{r}C, CH$
 $PiC\bar{H}P\bar{e}C\bar{r}PePsC\bar{H}PIP^{\circ}C, P\bar{e} P_{\mu}P \gg C - PjC - \text{PSP}^{\circ}C\bar{r}C - CH C, P^{\circ}PjC\bar{r}C\bar{r}P \gg \text{PsP} \cdot \text{P}\bar{e}PSC\bar{r} P \cdot$
 $PiP \gg P^{\circ}P \cdot PjP\bar{e} \text{Pe}C\bar{H}PsPIC -.$

$PhPrPSPsC\bar{P}^{\circ}C\bar{r}PSP_{\mu} P \cdot P^{\circ}C\bar{r}C, \text{Ps}C\bar{r}C\bar{r}PIP^{\circ}PSPSC\bar{L} P \cdot C\bar{r}P\bar{e}P \gg CHPSP\bar{e}PjP\bar{e}$
 $C - \text{PSPiC} - P \pm C - C, \text{Ps}C\bar{H}P^{\circ}PjP\bar{e} \text{CYP3A4 } PjPsP\bar{P}_{\mu} PiC\bar{H}P\bar{e}P \cdot \text{PIP}_{\mu}C\bar{r}C, P\bar{e} \text{PrPs}$
 $P \cdot P \pm C - P \gg CHC\bar{e}P_{\mu}PSPSC\bar{L} PIPiP \gg P\bar{e}PIC\bar{r} C, P^{\circ}PjC\bar{r}C\bar{r}P \gg \text{PsP} \cdot \text{P}\bar{e}PSC\bar{r} PiC - \text{Pr}C\bar{H}PsC...P \gg \text{Ps}C\bar{H}P\bar{e}PrC\bar{r}.$
 $P - P^{\circ}C\bar{r}C, \text{Ps}C\bar{r}C\bar{r}PIP^{\circ}PSPSC\bar{L} P \cdot \text{PeP}_{\mu}C, \text{PsPePsPSP}^{\circ}P \cdot \text{PsP} \gg \text{PsPj} (\text{PIC} - \text{PrPsPjP\bar{e}Pj } C\bar{r}P\bar{e}P \gg CHPSP\bar{e}Pj$
 $C - \text{PSPiC} - P \pm C - C, \text{Ps}C\bar{H}PsPj \text{CYP3A4}) PiC\bar{H}P\bar{e}P \cdot \text{PIPsPrP\bar{e}C}, CH \text{ PrPs } P \cdot P \pm C - P \gg CHC\bar{e}P_{\mu}PSPSC\bar{L} \text{AUC}$
 $C - C_{\max} C, P^{\circ}PjC\bar{r}C\bar{r}P \gg \text{PsP} \cdot \text{P}\bar{e}PSC\bar{r} PiC - \text{Pr}C\bar{H}PsC...P \gg \text{Ps}C\bar{H}P\bar{e}PrC\bar{r} PI 2,8 C, P^{\circ} 2,2 C\bar{H}P^{\circ}P \cdot P^{\circ}$
 $PIC - \text{Pr}PiPsPIC - \text{PrPSPs}.$

$P\bar{y}P^{\circ}PjC\bar{r}C\bar{r}P \gg \text{PsP} \cdot \text{P}\bar{e}PSC\bar{r} PiC - \text{Pr}C\bar{H}PsC...P \gg \text{Ps}C\bar{H}P\bar{e}Pr C\bar{r}P \gg C - \text{Pr } P \cdot P^{\circ}C\bar{r}C, \text{Ps}C\bar{r}PsPIC\bar{r}PIP^{\circ}C, P\bar{e} P \cdot$
 $\text{PsP} \pm P_{\mu}C\bar{H}P_{\mu}P\bar{P}PSC - C\bar{r}C, CH C\bar{r} \text{PePsPjP} \pm C - \text{PSP}^{\circ}C\bar{r}C - C - P \cdot C\bar{r}P\bar{e}P \gg CHPSP\bar{e}PjP\bar{e}$

(PSP°PīCḡPēPeP»P°Pr PePμC,PsPePsPSP°P·PsP»PsPj, C-C,CḡP°PePsPSP°P·PsP»PsPj, PIPsCḡPēPePsPSP°P·PsP»PsPj, PeP»P°CḡPēC,CḡPsPjC-C†PēPSPsPj, C-PSPrPēPSP°PIC-CḡPsPj, PSPμP»C,,C-PSP°PIC-CḡPsPj, CḡPēC,PsPSP°PIC-CḡPsPj, C†P°PePIC-PSP°PIC-CḡPsPj) C-PīPsPjC-CḡPSPēPjPē (PSP°PīCḡPēPeP»P°Pr PμCḡPēC,CḡPsPjC-C†PēPSPsPj) C-PSPiC-P±C-C,PsCḡP°PjPē CYP3A4. Pḡ PīP°C†C-C"PSC,P°Pj P·PSPēP·CHPePēPj PjPμC,P°P±PsP»C-P·PjPsPj CYP2D6 C,P°PjC†C†P»PsP·PēPSC† PiC-PrCḡPsC...P»PsCḡPēPr PSPμ C†P»C-Pr PīCḡPēP·PSP°C†P°C,Pē C† PīPsC"PrPSP°PSPSC- P·C†PēP»CHPSPēPjPē C-PSPiC-P±C-C,PsCḡP°PjPē CYP3A4.

PḡPrPSPsC†P°C†PSPμ P·P°C†C,PsC†C†PIP°PSPSC† P·PīP°CḡPsPeC†PμC,PēPSPsPj (C†PēP»CHPSPēPNḡ C-PSPiC-P±C-C,PsCḡ PŸYP2D6) PīCḡPēP·PIPPrPēC,CH PrPs PiC-PrPIPēC%PμPSPSC† PePsPSC†PμPSC,CḡP°C†C-C— PŸ_{max} C- AUC C,P°PjC†C†P»PsP·PēPSC† PI 1,3 C- 1,6 CḡP°P·P° PIC-PrPīPsPIC-PrPSPs, P°P»Pμ C†Pμ PiC-PrPIPēC%PμPSPSC† PSPμ PIPIP°P¶P°C"C,CHC†C† PeP»C-PSC-C†PSPs P·PSP°C†C†C%PēPj.

P†C†PSC†C" CḡPēP·PēPe PīPsC†PēP»PμPSPSC† PiC-PīPsC,PμPSP·PēPIPSPsPiPs PμC,,PμPeC,C† PīCḡPē P·P°C†C,PsC†C†PIP°PSPSC- C,P°PjC†C†P»PsP·PēPSC† PsPrPSPsC†P°C†PSPs P·PīCḡPμPīP°CḡP°C,P°PjPē, C†PeC- PjPsP¶C†C,CH P·PSPēP¶C†PIP°C,Pē PeCḡPsPiBḡ™ C†PSPēPNḡ C,PēC†Pe, PI C,,C†. P·P°PSPμC†C,PμC,PēPeP°PjPē, C-PSPiC-P±C-C,PsCḡP°PjPē C,,PsC†C,,PsPrC-PμC†C,PμCḡP°P·Pē-5, C-PSC€PēPjPē α₁-P°PrCḡPμPSPsP±P»PsPeP°C,PsCḡP°PjPē.

P"PSc†P»C-PrP¶PμPSPSC† in vitro P·PjC-PeCḡPsC†PsPjP°P»CHPSPēPjPē C,,CḡP°PeC†C-C†PjPē PīPμC†C-PSPePē PSPμ PīPsPeP°P·P°P»Pē PIP·P°C"PjPsPrC-C— P·P°PjC-C,CḡPēPīC,PēP»C-PSPsPj, C†P°P»CHP±C†C,P°PjPsP»PsPj, PiP»C-P±PμPSPeP»P°PjC-PrPsPj C,P° C,,C-PSP°C†C,PμCḡPēPrPsPj.

PḡC†PsP±P»PēPIPSC†C,C- P·P°C†C,PsC†C†PIP°PSPSC†.

PīPe C- PīCḡPē P·P°C†C,PsC†C†PIP°PSPSC- C-PSC€PēC... α₁- P°PrCḡPμPSPsP±P»PsPeP°C,PsCḡC-PI, PI PsPeCḡPμPjPēC... PIPēPīP°PrPeP°C... PīCḡPē P·P°C†C,PsC†C†PIP°PSPSC- PŸP°PjC†C†P»C-PrC† PjPsP¶P»PēPIPμ P·PSPēP¶PμPSPSC† P°CḡC,PμCḡC-P°P»CHPSPsPiPs C,PēC†PeC†, C%Ps PjPsP¶Pμ C-PSPsPrC- PīCḡPēP·PIPμC†C,Pē PrPs PIC,CḡP°C,Pē C†PIC-PrPsPjPsC†C,C-. PḡCḡPē PīPsC†PIC- PīPμCḡC€PēC... PsP·PSP°Pe PsCḡC,PsC†C,P°C,PēC†PSPsC— PiC-PīPsC,PμPSP·C-C— (P·P°PīP°PjPsCḡPsC†PμPSPSC†, C†P»P°P±PeC-C†C,CH) PīP°C†C-C"PSC, PīPsPIPēPSPμPS PīCḡPēPNḡPSC†C,Pē PīPsCḡPēP·PsPSC,P°P»CHPSPμ PīPsP»PsP¶PμPSPSC† PrPs P·PSPēPePSPμPSPSC† PIPēC%PμP·PīP°PrP°PSPēC... C†PēPjPiC,PsPjC-PI.

PḡPμCḡPμPr C,PēPj C†Pe CḡPsP·PīPsC†P°C,Pē P»C-PeC†PIP°PSPSC† PīCḡPμPīP°CḡP°C,PsPj PŸP°PjC†C†P»C-Pr, C†P»C-Pr PīCḡPsPNḡC,Pē PjPμPrPēC†PSPμ PsP±C†C,PμP¶PμPSPSC† P·PjPμC,PsCḡ PIPēC†PIP»PμPSPSC† C-PSC€PēC... C†C†PīC†C,PSC-C... P·P°C...PIPSCḡPIP°PSCH, C%Ps PjPsP¶C†C,CH C†PīCḡPēC†PēPSPēC,Pē C,P°PeC- P¶C†P°PjC- C†PēPjPīC,PsPjPē, C†Pe PrPsP±CḡPsC†PeC-C†PSP° PiC-PīPμCḡPīP»P°P·C-C† PīPμCḡPμPrPjC-C...C†CḡPsPIPSC— P·P°P»PsP·Pē.

PḡPμCḡPμPr PīPsC†P°C,PePsPj P»C-PeC†PIP°PSPSC† PSPμPsP±C...C-PrPSPs PīCḡPsPIPμC†C,Pē CḡPμPeC,P°P»CHPSPμ PsP±C†C,PμP¶PμPSPSC† PīPμCḡPμPrPjC-C...C†CḡPsPIPSC— P·P°P»PsP·Pē C,P° P·P° PSPμPsP±C...C-PrPSPsC†C,C- PrPs PīPsC†P°C,PeC† C,P° CḡPμPiC†P»C†CḡPSPs PiC-Pr C†P°C† P»C-PeC†PIP°PSPSC† PePsPSC,CḡPsP»CHPIP°C,Pē

СҫС-РІРµРSCН СІРІРµС†РёС,,С-С†РSPSPiPs Р°РSC,РёРiРµРSCІ
РiРµСҫРµРrРjС-С...СрҫҫРSPiPs— Р·Р°Р»»РSP·Рё (РSA).

РкРµРSP±С...С-РrРSPS Р· РSCІРSP±Р»РёРiРSCН РSP±РµСҫРµР¶РSC-СІС,СН
РiСҫРёР·РSP°С†Р°С,Рё РiСҫРµРµРiР°СҫР°С, РiР°С†С-С"РSC,Р°Рj Р· С,СІР¶Р¶РёРSPСН
С,,РSCҫРjРSCН РSPёСҫРёРSPiPs— РSPµРrРSCІС,Р°С,РSPSCІС,С- (РёР»»С-СҫРµРµРSCІ
РёСҫРµР°С,РёРSC-РSCІ < 10 РjР»/С...Рi) С†РµСҫРµР· РiС-РrСІСрҫС,РSC-СІС,СН
РrРSCІС,Р°С,РSCНРSPiPs РёР»»С-РSC-С†РSPSPiPs РrРSCІРiС-РrСІ.

Р—СҫС-РrРёР° РiРSPiС-РrРSPjР»СІР»РSPСІСІ РiСҫРSP СҫРSP·РiРёС,РSPё
Р°РSPiС-РSPµРiСҫРSPС,РёС†РSPSPiPs РSP°Р±СҫСІРёСрҫ РiС-СІР»»СІ
Р·Р°СІС,РSCІСрҫРiР°РSPSCІ С,Р°РjСІСрҫР»РSP·РёРSCІ. Рj С,Р°РёРSPjСрҫ РiРёРiР°РrРёСрҫ
Р»С-РёСрҫРiР°РSPSCІ СІР»»С-Рr РSPµРiР°РNРSPS РiСҫРёРiРёРSPёС,Рё С,Р°
РёРSPSC,СҫРSP»СНРiР°С,Рё СІС,Р°РSP РiР°С†С-С"РSC,Р° РrРSP Р·РSPёРёРSPµРSPSCІ
РSP°Р±СҫСІРёСрҫ, С,Р°РjСІСрҫР»РSP·РёРSP РSPµ СІР»»С-Рr РiСҫРёРNРjР°С,Рё
РiРSPiС,РSCҫРSPS.

Рj РrРµСІРёРёС... РiР°С†С-С"РSC,С-Рi, СІРёС- РiСҫРёРNРjР°Р»»Рё Р°Р±РSP
РiСҫРёРNРjР°СН,СН С,Р°РjСІСрҫР»РSP·РёРSP, РiС-Рr С†Р°СІС С...С-СҫСрҫРiС-С†РSPSPiPs
РiС,СҫСрҫС†Р°РSPSCІ Р· РiСҫРёРiРSPrСрҫ РiРёРrР°Р»»РµРSPSCІ РёР°С,Р°СҫР°РёС,Рё С-
РiР»»Р°СрҫРёРSP РiС-РrР·РSP°С†Р°Р»»Р°СІС РSPµСІС,Р°Р±С-Р»СНРSC-СІС,СН
СҫР°РNРrСрҫР¶РSPС— РSP±РSP»РSPРё РSPёР° (СІРёРSPrСҫРSPj Р°С,РSPSC-С†РSPС—
Р·С-РSPёС†С- (IFIS), РiР°СҫС-Р°РSC, СІРёРSPrСҫРSPjСрҫ Р·РiСрҫРµРµРSPС— Р·С-РSPёС†С-),
РiРSPiБҫ™ СІР·Р°РSP° Р· Р±Р»РSPРёСрҫРiР°РSPSCІРj Б Б Б Б Б Б Б α₁-СҫРµС†РµРiС,РSCҫС-Рi.
IFIS Р·Р±С-Р»СНСёСрҫ" СҫРёР·РёРёС СҫРSP·РiРёС,РёСрҫ РSC†РSPёС... СрҫІРёР»»Р°РrРSPµРSCН
РiС-Рr С†Р°СІС Р°Р±РSP РiС-СІР»»СІ С,Р°РёРSP— РSPiРµСҫР°С†С-С—.

РiРё РiСҫР°РiРёР»»РSP, Р·Р° 1-2 С,РёР¶Р¶РSC- РiРµСҫРµРr РiСҫРSPiРµРrРµРSPSCІРj
РSPiРµСҫР°С†С-С— Р· РiСҫРёРiРSPrСрҫ РёР°С,Р°СҫР°РёС,Рё С- РiР»»Р°СрҫРёРSPjРё
СҫРµРSPjРµРSPrСрҫ"С,СНСІСІ РiСҫРёРiРёРSPёС,Рё Р»»С-РёСрҫРiР°РSPSCІ
С,Р°РjСІСрҫР»РSP·РёРSPSPj, РiСҫРSPС,Рµ РёРSPСҫРёС,СН, РrРSC†С-Р»СНРSC-СІС,СН С,Р°
С,РµСҫРjС-РSPё РiСҫРёРiРёРSPµРSPSCІ Р»»С-РёСрҫРiР°РSPSCІ С,Р°РjСІСрҫР»РSP·РёРSPSPj
РSP° СІСНРSPiPsРrРSC- С,РSC†РSPS РSPµ РiСІС,Р°РSPSPiР»РµРSC-. РµСҫРSPS IFIS
РiРSPiС-РrРSPjР»СІР»РSPСІСІ С,Р°РёРSPР¶ С- Срҫ РiР°С†С-С"РSC,С-Рi, СІРёС-
РiСҫРёРiРёРSPёР»»Рё Р·Р°СІС,РSCІСрҫРiР°РSPSCІ С,Р°РjСІСрҫР»РSP·РёРSPСрҫ
РiРiСҫРSPrРSPiР¶ Р±С-Р»СНСё С,СҫРёРiР°Р»»РSPiPs РiРµСҫС-РSPСрҫ РrРSP
РiРSPС†Р°С,РёСрҫ РSPiРµСҫР°С†С-С—.

Р РSP·РiРSPС†РёРSP°С,Рё С,РµСҫР°РiС-СН С,Р°РjСІСрҫР»РSP·РёРSPSPj
РiС-РrСҫРSPС...Р»РSPСҫРёРrРSPj РSPµ СҫРµРSPjРµРSPrСрҫ"С,СНСІСІ РiР°С†С-С"РSC,Р°Рj,
СІРёРёРj Р·Р°РiР»»РSPSPiР°РSP° РSPiРµСҫР°С†С-СІС Р· РiСҫРёРiРSPrСрҫ РёР°С,Р°СҫР°РёС,Рё
Р°Р±РSP РiР»»Р°СрҫРёРSPjРё. РµСҫРё РiС-РrРiРSPС,РSPiС†С- РrРSP РSPiРµСҫР°С†С-С—
С...С-СҫСрҫРiРё-РSC,,С,Р°Р»»СНРjРSP»РSPiРё РjР°СН,СН РrС-Р·РSP°С,РёСІСІ, С†Рё
РiСҫРёРNРjР°Рi (Р°Р±РSP РiСҫРёРNРjР°С") РiР°С†С-С"РSC, С,Р°РjСІСрҫР»РSP·РёРSP, Р·
РjРµС,РSCН РiРSPiРµСҫРµРrР¶РµРSPSCІ РjРSPР¶Р»»РiРёС... СрҫІРёР»»Р°РrРSPµРSCН,
РiРSPiБҫ™ СІР·Р°РSPёС... Р· IFIS.

РҫР°РjСІСрҫР»РSP·РёРSP С-РSC,РµРSCІРёРiРSPS РjРµС,Р°Р±РSP»С-Р·Срҫ"С,СНСІСІ,
РiРSP»РSPiРSPёРj С†РёРSPSPj СYP3A4 С- СYP2D6. РµР°С†С-С"РSC,Р°Рj Р· РSPёР·СНРёРёРj
РjРµС,Р°Р±РSP»С-Р·РjРSPj СYP2D6 РSPµ СІР»»С-Рr РiСҫРёР·РSP°С†Р°С,Рё

C, P°PjCfCfP»PsP·PëPSCf PiC-PrCfPsC...P»PsCfPëPr Cf PePsPjP±C-PSP°C†C-C— P·
CfPëP»CHbPSPëPjPë C-PSPiC-P±C-C, PsCfP°PjPë CYP3A4 (PSP°PïCfPëPeP»P°Pr
PePµC, PsPePsPSP°P·PsP»PsPj).

PÿP°PjCfCfP»PsP·PëPSCf PiC-PrCfPsC...P»PsCfPëPr CfP»C-Pr P·P°CfC, PsCfPsPICfPIP°C, Pë P·
PsP±PµCfPµP¶PSC-CfC, CH Cf PïPsC"PrPSP°PSPSC- P· CfPëP»CHbPSPëPjPë
(PSP°PïCfPëPeP»P°Pr PePµC, PsPePsPSP°P·PsP»PsPj) C- PïPsPjC-CfPSPëPjPë
C-PSPiC-P±C-C, PsCfP°PjPë CYP3A4 (PSP°PïCfPëPeP»P°Pr PµCfPëC, CfPsPjC-C†PëPSPsPj)
(PrPëPI. CfPsP·PrC-P» B«P'P·P°C"jPsPrC-C¶ P· C-PSCëPëPjPë P»C-PeP°CfCfCHbPePëPjPë
P·P°CfPsP±P°PjPë C, P° C-PSCëC- PIPëPrPë PIP·P°C"jPsPrC-PNëB»).

PµPsPIC-PrPsPjP»C¶P»PsCfCH PïCfPs PIPëPïP°PrPePë P°P»PµCfPiC-C†PSPëC...
CfPµP°PeC†C-PNë PSP° C, P°PjCfCfP»PsP·PëPS Cf PïP°C†C-C"PSC, C-PI P· PSP°C¶PIPSC-CfC, CH
PI P°PSP°PjPSPµP·C- P°P»PµCfPiC-C— PSP° CfCfP»CHC,, P°PSC-P»P°PjC-PrPë. PÿP»C-Pr
PrPsC, CfPëPjCfPIP°C, PëCfCH PsP±PµCfPµP¶PSPsCfC, C- PïCfPë P·P°CfC, PsCfCfPIP°PSPSC-
C, P°PjCfCfP»PsP·PëPSCf PiC-PrCfPsC...P»PsCfPëPrCf PïP°C†C-C"PSC, P°Pj, Cf C¶PePëC...
CfP°PSC-CëPµ PIC-PrP·PSP°C†P°P»P°CfCH P°P»PµCfPiC-C¶ PSP°
CfCfP»CHC,, P°PSC-P»P°PjC-PrPë.

PµCfPµPïP°CfP°C, CfP»C-Pr PïCfPëPNëPjP°C, Pë P·P° PïCfPëP·PSP°C†PµPSPSC¶Pj
P»C-PeP°CfC¶.

*P—P°CfC, PsCfCzPIP°PSPSC¶ Cz PïPµCfC-PsPr PIP°PiC-C, PSPsCfC, C- P°P±Ps
PiPsPrCzPIP°PSPSC¶ PiCfCzPrPrCH.*

PÿP°PjCfCfP»C-Pr PSPµ PïPsPeP°P·P°PSPëPNë PrP»C¶ P·P°CfC, PsCfCfPIP°PSPSC¶
P¶C-PSPeP°Pj.

PµPµCfC, PëP»CHbPSC-CfC, CH. PµC-Pr C†P°Cf PeP»C-PSC-C†PSPëC... PrPsCfP»C-PrP¶PµPSCH
C, P°PjCfCfP»PsP·PëPSCf PïCfPsC, C¶PiPsPj PePsCfPsC, PePsPiPs C, P° C, CfPëPIP°P»PsPiPs
C†P°CfCf PIC-PrPjC-C†P°P»PëCfC¶ PïPsCfCfCëPµPSPSC¶ PµC¶PeCfP»C¶C†C-C—.
P'PëPïP°PrPePë PïPsCfCfCëPµPSPSC¶ PµC¶PeCfP»C¶C†C-C—, CfPµC, CfPsPiCfP°PrPSPsC—
PµC¶PeCfP»C¶C†C-C— C- PSPµPrPsCfC, P°C, PSCHbPsC— PµC¶PeCfP»C¶C†C-C—
PIC-PrP·PSP°C†P°P»PëCfC¶ PI PïC-CfP»C¶CfPµC"CfC, CfP°C†C-PNëPSPëPNë PïPµCfC-PsPr
P·P°CfC, PsCfCfPIP°PSPSC¶ C, P°PjCfCfP»PsP·PëPSCf.

*P—PrP°C, PSC-CfC, CH PIPïP»PëPIP°C, Pë PSP° CëPIPëPrPeC-CfC, CH CfPµP°PeC†C-C— PïCfPë
PePµCfCzPIP°PSPSC- P°PIC, PsC, CfP°PSCfPïPsCfC, PsPj P°P±Ps C-PSCëPëPjPë
PjPµC...P°PSC-P·PjP°PjPë.*

P"PsCfP»C-PrP¶PµPSPSC¶ PIPïP»PëPICf PïCfPµPïP°CfP°C, Cf PSP° P·PrP°C, PSC-CfC, CH
PePµCfCfPIP°C, Pë P°PIC, PsC, CfP°PSCfPïPsCfC, PsPj P°P±Ps C-PSCëPëPjPë
PjPµC...P°PSC-P·PjP°PjPë PSPµ PïCfPsPIPsPrPëP»PëCfC¶. PhPrPSP°Pe PïP°C†C-C"PSC, C-PI
PSPµPsP±C...C-PrPSPs PïPsPïPµCfPµPrPëC, Pë PïCfPs PjPsP¶P»PëPIC-CfC, CH
PIPëPSPëPePSPµPSPSC¶ CfPsPSP»PëPIPsCfC, C-, PïPsPjCfC, PSC-PSPSC¶ P·PsCfCf,
P·P°PïP°PjPsCfPsC†PµPSPSC¶ C, P° PSPµPïCfPëC, PsPjPSPsCfC, C-.

PŸPİPsCÍC-P± P·P°CÍC,PsCÍCžPIP°PSPSCİİ C,P° PrPsP·Pë.

P PµPePsPjPµPSPPrPsPIP°PSP° PrPsP·P° PrP»Cİİ PrPsCĤPsCÍP»PëC... бĤ“ 1
PeP°PİCÍCÍP»P° C%PsPrPµPSPSPs, PİC-CÍP»Cİİ CÍPSC-PrP°PSPeCÍ P°P±Ps PİC-CÍP»Cİİ
PİPµCĤC€PsPiPs PİCĤPëP№PsPjCÍ C—P¶C-. PᵇP°PİCÍCÍP»CÍ CÍP»C-Pr PePsPIC,P°C,Pë
C†C-P»PsCĤ, CÍPëPrCİC†Pë P°P±Ps CÍC,PsCİC†Pë. PᵇP°PİCÍCÍP»CÍ PSPµ PjPsP¶PSP°
CĤPsP·P¶PsPICÍPIP°C,Pë, CĤPsP·P»P°PjCÍPIP°C,Pë, PsCÍPeC-P»CHPePë C†Pµ P±CÍPrPµ
PİPµCĤPµC€PePsPrP¶P°C,Pë PjPsPrPëC,,C-PePsPIP°PSPsPjCÍ PIPëPIC-P»CHPSPµPSPSCĤ
P°PeC,PëIPSPsPiPs C-PSPICĤPµPrC-C”PSC,P°.

*PµP°C†C-C”PSC,Pë P»C-C,PSCHPsPiPs PIC-PeCž PSPµ PİPsC,CĤPµP±CÍCĤC,CH
PePsCĤPµPeC†C-C— PrPsP·Pë. PhPrPSP°Pe CÍP»C-Pr PjP°C,Pë PSP° CÍPIP°P·C-, C%Ps CÍ
PiPµCĤC-P°C,CĤPëC†PSPëC... PİP°C†C-C”PSC,C-PI CĤPëP·PëPe PsCĤC,PsCÍC,P°C,PëC†PSPsC—
PiC-PİPsC,PµPSP·C-C— P·P±C-P»CHC€PµPSPëP№.*

*PµP°C†C-C”PSC,P°Pj P· PSPëCĤPePsPIPsCĤ PSPµPrPsCÍC,P°C,PSC-CÍC,CĤ PSPµ
PİPsC,CĤC-P±PSP° PePsCĤPµPeC†C-Cİİ PrPsP·Pë.*

*PµP°C†C-C”PSC,P°Pj P· PİPµC†C-PSPePsPIPsCĤ PSPµPrPsCÍC,P°C,PSC-CÍC,CĤ
PİPsPjC-CĤPSPsPiPs C,P° CÍPµCĤPµPrPSCĤPsPiPs CÍC,CÍPİPµPSCİİ C,CİP¶PePsCÍC,C- PSPµ
PİPsC,CĤC-P±PSP° PePsCĤPµPeC†C-Cİİ PrPsP·Pë (PrPëPI. C,P°PePsP¶
B«PµCĤPsC,PëPİPsPeP°P·P°PSPSCİİB»).*

P”C-C,Pë.

PµCĤPµPİP°CĤP°C, PSPµ P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PrC-C,CİPj. P’PµP·PİPµPeP° C,P°
PµC,,PµPeC,PëIPSC-CÍC,CH P·P°CÍC,PsCÍCÍPIP°PSPSCİİ C,P°PjCÍCÍP»PsP·PëPSCÍ PrC-C,CİPj
(PrPs 18 CĤPsPeC-PI) PSPµ PsC†C-PSCĤPIP°P»P°CÍCĤ.

PµPµCĤPµPrPsP·CžPIP°PSPSCİİ.

*PŸPëPjPİC,PsPjPë. PµPµCĤPµPrPsP·CÍPIP°PSPSCİİ C,P°PjCÍCÍP»PsP·PëPSCÍ
PiC-PrCĤPsC...P»PsCĤPëPrCÍ PjPsP¶Pµ CÍPİCĤPëC†PëPSPëC,Pë PiPsCÍC,CĤC- C,P° C,CİP¶PeC-
PiC-PİPsC,PµPSP·PëIPSC- PµC,,PµPeC,Pë, P° C,P°PePsP¶ P±P»CĤPIP°PSPSCİİ C,P°
PİCĤPsPSPsCÍ. PŸCİP¶PeC- PiC-PİPsC,PµPSP·PëIPSC- PµC,,PµPeC,Pë
CÍPiPsCÍC,PµCĤC-PİP°P»PëCÍCİİ PİCĤPë CĤC-P·PSPëC... CÍC,CÍPİPµPSCİİC...
PİPµCĤPµPrPsP·CÍPIP°PSPSCİİ.*

*P»C-PeCžPIP°PSPSCİİ. Pj CĤP°P·C- PIPëPSPëPePSPµPSPSCİİ PiPsCÍC,CĤPsC—
P°CĤC,PµCĤC-P°P»CHPSPsC— PiC-PİPsC,PµPSP·C-C— PIPSP°CÍP»C-PrPsPe
PİPµCĤPµPrPsP·CÍPIP°PSPSCİİ CÍP»C-Pr PİCĤPsPIPsPrPëC,Pë PİC-PrC,CĤPëPjCÍPIP°P»CHPSCÍ
C,PµCĤP°PİC-CĤ, CÍPİCĤCİPjPsPIP°PSCÍ PSP° PIC-PrPSPsPIP»PµPSPSCİİ
PSPsCĤPjP°P»CHPSPsC— C,,CÍPSPeC†C-C— CÍPµCĤC†PµPIPs-CÍCÍPrPëPSPSPsC—
CÍPëCÍC,PµPjPë (PSP°PİCĤPëPeP»P°Pr, PİP°C†C-C”PSC, PjP°C” PİCĤPëP№PSCİİC,Pë
PiPsCĤPëP·PsPSC,P°P»CHPSPµ PİPsP»PsP¶PµPSPSCİİ). PİPeC%Ps C†Pµ PSPµ
PrPsPİPsPjP°PİP°C”, CÍP»C-Pr PİCĤPsPIPµCÍC,Pë C-PSC,,CÍP·C-P№PSCÍ C,PµCĤP°PİC-CĤ C,P°
PİCĤPëP·PSP°C†PëC,Pë PIP°P·PsPİCĤPµCÍPsCĤPSC- P·P°CÍPsP±Pë. PŸP»C-Pr
PePsPSC,CĤPsP»CĤPIP°C,Pë C,,CÍPSPeC†C-CĤ PSPëCĤPsPe C,P° PİCĤPsPIPsPrPëC,Pë
P·P°PİP°P»CHPSC- PiC-PrC,CĤPëPjCÍPIP°P»CHPSC- P·P°C...PsPrPë. PŞPµCĤPµP·*

PIPëCÍPsPePëPNë CÍC,CÍPíC-PSCĤ P·PíBĤ™ CÍP·CÍPIP°PSPSCÍ C,P°PjCÍCÍP»PsP·PëPSCÍ P·P±C-P»PeP°PjPë PíP»P°P·PjPë PeCĤPsPIC- PíCĤPsPIPµPrPµPSPSCÍ PíPµPjPsPrC-P°P»C-P·CÍPSP°PICĤCÍPr C±Pë PrPsC†C-P»CĤPSPµ.

P— PjPµC,PsCĤ PíCĤPëPíPëPSPµPSPSCÍ PíPsPrP°P»CĤC€PsPíPs PICÍPjPsPeC,CÍPIP°PSPSCÍ PíCĤPµPíP°CĤP°C,CÍ PjPsP¶PSP° C€C,CÍC±PSPs PIPëPeP»PëPeP°C,Pë P±P»CĤPIP°PSPSCÍ. PµCĤPë PíPµCĤPµPrPsP·CÍPIP°PSPSC- P·PSP°C±PSPsCĤ PeC-P»CĤPeC-CÍC,CĤ PíCĤPµPíP°CĤP°C,CÍ PíP°C†C-C”PSC,CÍ CÍP»C-Pr PíCĤPsPjPëC,Pë C€P»CÍPSPsPe, PjPsP¶PSP° P·P°CÍC,PsCÍCÍPIP°C,Pë P°PeC,PëPíPsPIP°PSPµ PICÍPíC-P»P»CÍ C,P° PSPëP·CĤPePsPsCÍPjPsC,PëC±PSC- PíCĤPsPSPsCÍPSC- P·P°CÍPsP±Pë, C,P°PeC- CÍPe CÍCÍP»CĤC,,P°C, PSP°C,CĤC-CĤ.

PµPsP±C-C±PSC- CĤPµP°PeC†C-C—.

PµPsP±C-C±PSC- CĤPµP°PeC†C-C— PeP»P°CÍPëC,,C-PePsPIP°PSC- P·P° PsCĤPíP°PSP°PjPë C-CÍPëCÍC,PµPjP°PjPë C,P° C±P°CÍC,PsC,PsCĤ C—C... PIPëPSPëPePSPµPSPSCÍ: C±P°CÍC,Ps (> 1/100, < 1/10); PSPµC±P°CÍC,Ps (> 1/1000, < 1/100); CĤC-PrPePs (> 1/10000, < 1/1000); PrCÍP¶Pµ CĤC-PrPePs (< 1/10000), PSPµPIC-PrPsPjPs (PSPµPjPsP¶P»PëPíPs PsC†C-PSPëC,Pë P·P° PrPsCÍC,CÍPíPSPëPjPë PrP°PSPëPjPë).

PkPµCĤPIP°PSP° CÍPëCÍC,PµPjP°: C±P°CÍC,Ps BĤ“ P·P°PíP°PjPsCĤPsC±PµPSPSCÍ, PSPµC±P°CÍC,Ps BĤ“ PíPsP»PsPíPSPëPNë P±C-P»CĤ, CĤC-PrPePs BĤ“ PSPµPíCĤPëC,PsPjPSC-CÍC,CĤ (CÍPëPSPePsPíPµ).

PhCĤPíP°PSPë P·PsCĤCž: PSPµPIC-PrPsPjPs BĤ“ P·P°C,CÍPjP°PSPµPSPSCÍ P·PsCĤCÍ, PíPsCĤCÍC€PµPSPSCÍ P·PsCĤCÍ*.*

PŸPµCĤC†PµPíPs-CÍCžPrPëPSPSP° CÍPëCÍC,PµPjP°: PSPµC±P°CÍC,Ps BĤ“ PsCĤC,PsCÍC,P°C,PëC±PSP° PíC-PíPsC,PµPSP·C-CÍ, PIC-PrC±CÍC,C,CÍ CÍPµCĤC†PµP±PëC,C,CÍ (PíP°P»CĤPíC-C,P°C†C-CÍ).

P”PëC...P°P»CĤPSP° CÍPëCÍC,PµPjP°: PSPµC±P°CÍC,Ps BĤ“ CĤPëPSC-C,, PSPµPIC-PrPsPjPs BĤ“ PSPsCÍPsPIP° PeCĤPsPíPsC,PµC±P°.*

P PµPíCĤPsPrCžPeC,PëPíPSP° CÍPëCÍC,PµPjP°: C±P°CÍC,Ps BĤ“ CĤPsP·P»P°PrPë PµCÍPeCÍP»CÍC†C-C—, PíPeP»CĤC±P°CĤC±Pë CĤPµC,CĤPsPíCĤP°PrPSCÍ PµCÍPeCÍP»CÍC†C-CĤ C- PSPµPrPsCÍC,P°C,PSC-CÍC,CĤ PµCÍPeCÍP»CÍC†C-C—, PrCÍP¶Pµ CĤC-PrPePs BĤ“ PíCĤC-P°PíC-P·Pj.

PŸCĤP°PíPSPëPNë C,CĤP°PeC,: PSPµC±P°CÍC,Ps BĤ“ P·P°PíPsCĤ, PrC-P°CĤPµCÍ, PSCÍPrPsC,P°, P±P»CĤPIP°PSPSCÍ, PSPµPIC-PrPsPjPs BĤ“ CÍCÍC...C-CÍC,CĤ CÍ CĤPsC,C-.

PëPeC-CĤP°, PíC-PrC€PeC-CĤPSP° PeP»C-C,PePsPíPëPSP°: PSPµC±P°CÍC,Ps BĤ“ CÍPIPµCĤP±C-P¶, PIPëCÍPëPíP°PSPSCÍ, PeCĤPsPíPëPíBĤ™ CÍPSPeP°, CĤC-PrPePs BĤ“ P°PSPíC-PsPSPµPICĤPsC,PëC±PSPëPNë PSP°P±CĤCÍPe, PrCÍP¶Pµ CĤC-PrPePs BĤ“ CÍPëPSPrCĤPsPj PŸC,C-PíPµPSCÍP°-P”P¶PsPSCÍPsPSP°, PSPµPIC-PrPsPjPs BĤ“ PjCÍP»CĤC,PëC,,PsCĤPjPSP° PµCĤPëC,PµPjP°, PµPeCÍC,,PsP»C-P°C,PëPíPSPëPNë PrPµCĤPjP°C,PëC,*, CĤPµP°PeC†C-C— C,,PsC,PsC±CÍC,P»PëPíPsCÍC,C-.*.*

P—P°PíP°P»CĤPSC- CĤPsP·P»P°PrPë: PSPµC±P°CÍC,Ps BĤ“ P°CÍC,PµPSC-CÍ.

*P'C-PrPjC-C†P°P»PëCíCЦ PI PíC-CíP»CЦCђPмC"CíC,CђP°C†C-PNëPSPëPNë PíPмCђC-PsPr
P·P°CíC,PsCíCfPIP°PSPSCЦ C,P°PjCíCfP»PsP·PëPSCf.

PљCђC-Pj PIPëC%PмP·P°P·PSP°C†PмPSPëC... PíPsP±C-C†PSPëC... CђPмP°PeC†C-PNë, Cí
PíC-CíP»CЦCђPмC"CíC,CђP°C†C-PNëPSPëPNë PíPмCђC-PsPr PSP°PrC...PsPrPëP»Pë
CíPíPsPSC,P°PSPSC- PíPsPIC-PrPsPjP»PмPSPSCЦ PíCђPs PIPëPíP°PrPePë
P°C,CђC-P°P»CHPSPSc— C,,C-P±CђPëP»CЦC†C-C—, C,P°C...C-PeP°CђPrC-C—,
P°CђPëC,PjC-C—, PrPëCíPíPSPsPм. PhCíPeC-P»CHPePë PíCђPs P·P°P·PSP°C†PмPSC-
PIPëPíP°PrPePë PíPsPIC-PrPsPjP»CЦP»PsCíCЦ CíPíPsPSC,P°PSPSPs, C†P°CíC,PsC,P°
CђPмP°PeC†C-PNë C,P° C—C... P·PIвђ™ CЦP·PsPe P· C,P°PjCíCfP»PsP·PëPSPsPj PSPм
PjPsP¶CíC,CH P±CíC,Pë PrPsCíC,PsPIC-CђPSPs PIPëP·PSP°C†PмPSC-.

PíPe C- PíCђPë PíCђPëPNëPsPjC- C-PSC€PëC... P°P»CHC,,P°-P±P»PsPeP°C,PsCђC-PI, PjPsP¶Pм
CíPíPsCíC,PмCђC-PiP°C,PëCíCЦ CíPsPSP»PëPIC-CíC,CH, CíCíC...C-CíC,CH Cí CђPsC,C-,
PSP°P±CђCЦPePë.

PhPíPëCíP°PSC- PIPëPíP°PrPePë C-PSC,CђP°PsPíPмCђP°C†C-PNëPSPSc—
PSPмCíC,P°P±C-P»CHPSPsCíC,C- CђP°PNëPrCfP¶PSPsC— PsP±PsP»PsSPPePë PsPeP°
(PIP°CђC-P°PSC, CíPëPSPrCђPsPjCf PICfP·CHPePsC— P·C-PSPëC†C-, PIC-PrPsPjPëPNë CЦPe
IFIS) PíC-Pr C†P°Cí PsPíPмCђP°C†C-C— P· PíCђPëPIPsPrCf PeP°C,P°CђP°PeC,Pë C,P°
PíP»P°CfPePsPjPë Cí PíP°C†C-C"PSC,C-PI, CЦPeC- C,CђPëPIP°P»PëPNë C†P°Cí
PíCђPëPNëPjP°P»Pë C,P°PjCíCfP»PsP·PëPS.

PýPмCђPjC-PS PíCђPëPrP°C,PSPsCíC,C-. 3 CђPsPePë.

PќPм P·P°CíC,PsCíPsPICfPIP°C,Pë PíC-CíP»CЦ P·P°PeC-PSC†PмPSPSCЦ
C,PмCђPjC-PSCf PíCђPëPrP°C,PSPsCíC,C-, PIPEP°P·P°PSPsPiPs PSP° CíPíP°PePsPIC†C-.

PJPjPsPIPë P·P±PмCђC-PiP°PSPSCЦ.

P—P±PмCђC-PiP°C,Pë PI PsCђPëPíC-PSP°P»CHPSC-PNë CíPíP°PePsPIC†C- PíCђPë
C,PмPjPíPмCђP°C,CíCђC- PSPм PIPëC%Pм 25 B°Pý.

P—P±PмCђC-PiP°C,Pë Cí PSPмPrPsCíC,CíPíPSPsPjCf PrP»CЦ PrC-C,PмPNë PjC-CíC†C-.

PJPíP°PePsPIPEP°.

PмPs 10 PeP°PíCíCfP» PI P±P»C-CíC,PмCђC-, PíPs 3 P±P»C-CíC,PмCђPë PI PíP°C†C†C-.

PљP°C,PмPiPsCђC-CЦ PIC-PrPíCfCíPeCf. P—P° CђPмC†PмPíC,PsPj.

P'PëCђPsP±PSPëPe.

$P_{\mu}C^{\dagger}P \pm P \rangle C - C \dagger PSP_{\mu} \quad P^{\circ}PeC^{\dagger}C - PsPSP_{\mu}C_{\eta}PSP_{\mu} \quad C, PsPIP^{\circ}C_{\eta}P\ddot{e}C^{\dagger}C, PIPs \quad B \langle P^{\circ}C^{\dagger}PePsPIPs -$
 $PIP\ddot{e}C_{\eta}PsP \pm PSP\ddot{e}C \dagger P\ddot{e}PN_{\mathbb{Z}} \quad C \dagger P_{\mu}PSC, C_{\eta} \quad B \langle P^{\circ}PsC_{\eta}C \% P^{\circ}PiC - PIC^{\dagger}CHPeP\ddot{e}PN_{\mathbb{Z}} \quad C \dots C - PjC - PePs -$
 $C, P^{\circ}C_{\eta}PjP^{\circ}C \dagger P_{\mu}PIC, P\ddot{e}C \dagger PSP\ddot{e}PN_{\mathbb{Z}} \quad P \cdot P^{\circ}PIPsPrB \rangle.$

$P_{\mathbb{H}}C - C^{\dagger}C \dagger P_{\mu}P \cdot PSP^{\circ}C \dots PsPrP \P P_{\mu}PSPSC_{\eta} \quad PIP\ddot{e}C_{\eta}PsP \pm PSP\ddot{e}PeP^{\circ} \quad C, P^{\circ} \quad PN_{\mathbb{Z}}PsPiPs$
 $P^{\circ}PrC_{\eta}P_{\mu}C^{\dagger}P^{\circ} \quad PjC - C^{\dagger}C \dagger C_{\eta} \quad PiC_{\eta}PsPIP^{\circ}PrP \P P_{\mu}PSPSC_{\eta} \quad PrC - C_{\eta}P \rangle CHPsPsC^{\dagger}C, C -.$

$PjPeC_{\eta}P^{\circ}C - PSP^{\circ}, \quad 03134, \quad Pj. \quad P_{\mathbb{H}}P\ddot{e}C - PI, \quad PIC^{\dagger}P \rangle. \quad P_{\mathbb{H}}P\ddot{e}C_{\eta}C^{\dagger}, \quad 17.$