

P†PќPŸPŸP PЈРљP!P†Pİ

**PrP»Cİ PjPµPrPëC‡PSPsPiPs P·P°CÍC,PsCÍCíPIP°PSPSCİ P»C-PeP°CĤCÍCHPePsPiPs
P·P°CÍPs±Cí**

PћPќP”PђPђP

(ONDAAR)

PŸPeP»P°Pr:

PrC-CHC‡P° CĤPµC‡PsPIPëPSP°: PsPSPrP°PSCÍPµC,CĤPsPS;

1 C,P°P±P»PµC,PeP°, C%Ps PrPëCÍPİPµCĤPiCíC”C,CHCÍCİ PI CĤPsC,PsPIC-PNë
PİPsCĤPsP¶PSPëPSC-, PjC-CÍC,PëC,CH PsPSPrP°PSCÍPµC,CĤPsPSCí 4 PjPi P°P±Ps 8 PjPi;

PrPsPiPsPjC-P¶PSC- CĤPµC‡PsPIPëPSPë:

C,P°P±P»PµC,PePë PİPs 4 PjPi: PjP°PSC-C, (P• 421), PeCĤPsCÍPİPsPIC-PrPsPS, PİPsPIC-PrPsPS,
C†PµP»CHP»PsP·P° PjC-PeCĤPsPeCĤPëCÍC,P°P»C-C‡PSP° CÍPëP»C-PePsPSC-P·PsPIP°PSP°,
PSP°C,CĤC-CH PeCĤPsC...PjP°P»CHPiP»C-PePsP»CİC, (C,PëPİ Pђ), P°CÍPİP°CĤC,P°Pj (P• 951),
P°CĤPsPjP°C,PëP·P°C,PsCĤ B«P»PëPjPsPSB», P°CĤPsPjP°C,PëP·P°C,PsCĤ B«PђBĤ™ CİC,P°B»,
C...C-PSPsP»C-PSPsPIPëPNë P¶PsPIC,PëPNë P»P°Pe (P• 104), PeCĤPµPjPSC-CH PrC-PsPeCÍPëPr
PePsP»PsC—PrPSPëPNë P±PµP·PIPsPrPSPëPNë, PSP°C,CĤC-CH CÍC,PµP°CĤPëP»C„CíPjP°CĤP°C,,
PjP°PiPSC-CH CÍC,PµP°CĤP°C,;

C,P°P±P»PµC,PePë PİPs 8 PjPi: PjP°PSC-C, (P• 421), PeCĤPsCÍPİPsPIC-PrPsPS, PİPsPIC-PrPsPS,
C†PµP»CHP»PsP·P° PjC-PeCĤPsPeCĤPëCÍC,P°P»C-C‡PSP° CÍPëP»C-PePsPSC-P·PsPIP°PSP°,
PSP°C,CĤC-CH PeCĤPsC...PjP°P»CHPiP»C-PePsP»CİC, (C,PëPİ Pђ), P°CÍPİP°CĤC,P°Pj (P• 951),
P°CĤPsPjP°C,PëP·P°C,PsCĤ B«P»PëPjPsPSB», P°CĤPsPjP°C,PëP·P°C,PsCĤ B«PђBĤ™ CİC,P°B»,
P¶PsPIC,PëPNë P·P°C...C-Pr FCF P»P°Pe (E 110), PeCĤPµPjPSC-CH PrC-PsPeCÍPëPr
PePsP»PsC—PrPSPëPNë P±PµP·PIPsPrPSPëPNë, PSP°C,CĤC-CH CÍC,PµP°CĤPëP»C„CíPjP°CĤP°C,,
PjP°PiPSC-CH CÍC,PµP°CĤP°C,.

P»C-PeP°CĤCÍCHPeP° C„PsCĤPjP°. PŸP°P±P»PµC,PePë, C%Ps
PrPëCÍPİPµCĤPiCíCĤC,CHCÍCİ PI CĤPsC,PsPIC-PNë PİPsCĤPsP¶PSPëPSC-.

PћCÍPSPsPIPS- C„C-P·PëPePs-C...C-PjC-C‡PSC- PIP»P°CÍC,PëPIPsCÍC,C-:

C,P°P±P»PµC,PePë PİPs 4 PjPi: PeCĤCíPİP»C- PrPIPsPsPİCíPeP»C- C,P°P±P»PµC,PePë
P¶PsPIC,PsPiPs PePsP»CHPsCĤCí C-P· PIPeCĤP°PİP»PµPSPSCİPjPë, PİP»P°PrPµPSCHPeC- P·
PsP±PsC... P±PsPeC-PI;

C,P°P±P»PµC,PePë PİPs 8 PjPi: PeCĤCíPİP»C- PrPIPsPsPİCíPeP»C- C,P°P±P»PµC,PePë
CÍPIC-C,P»Ps-PsCĤP°PSP¶PµPIPsPiPs PePsP»CHPsCĤCí C-P· PIPeCĤP°PİP»PµPSPSCİPjPë,

PiP»P°PrPµPSCbPeC- P· PsP±PsC... P±PsPeC-PI.

PαP°CḡPjP°PePsC,PµCḡP°PīPµPIC,PëC‡PSP° PiCḡCíPīP°.

PµCḡPsC,PëP±P»CḡPIPsC,PSC- P·P°CíPsP±Pë C,P° PīCḡPµPīP°CḡP°C,Pë, C%Ps
CíCíCíPIP°CḡC,Cḡ PSCíPrPsC,Cí. PḡPSC,P°PiPsPSC-CíC,Pë CḡPµC†PµPīC,PSCḡC-PI
CíPµCḡPsC,PsPSC-PSCí (5PḡPḡ₃). PḡPsPr PḡPḡPí Pḡ04Pḡ Pḡ01.

PαP°CḡPjP°PePsP»PsPiC-C‡PSC- PIP»P°CíC,PëPIPsCíC,C-.

PαP°CḡPjP°PePsPrPëPSP°PjC-PeP°.

PḡPµC...P°PSC-P·Pj PrC-C—

PḡPSPPrP°PSCíPµC,CḡPsPS bḡ“ CíPëP»CḡPSPsPrC-CḡC‡PëPNḡ
PIPëCíPsPePsCíPµP»PµPeC,PëPIPsPëPNḡ P°PSC,P°PiPsPSC-CíC, 5PḡPḡ₃
(CíPµCḡPsC,PsPSC-PSPsPIPëC...) CḡPµC†PµPīC,PSCḡC-PI. PµCḡPµPīP°CḡP°C,
PīPsPīPµCḡPµPrP¶CíC” P°P±Ps CíCíCíPIP°C” PSCíPrPsC,Cí C- P±P»CḡPIP°PSPSCí, C%Ps
CíPīCḡPëC‡PëPSCíCḡC,CḡCíCí C†PëC,PsC,PsPeCíPëC‡PSPsCḡ
C...C-PjC-PsC,PµCḡP°PīC-C”Cḡ C,P°/P°P±Ps PīCḡPsPjPµPSPµPIPsCḡ C,PµCḡP°PīC-C”Cḡ, P°
C,P°PePsP¶ PīC-CíP»CíPsPīPµCḡP°C†C-PNḡPSC- PSCíPrPsC,Cí C- P±P»CḡPIP°PSPSCí.
PḡPµC...P°PSC-P·Pj PrC-C— PsPSPPrP°PSCíPµC,CḡPsPSCí PrPs PeC-PSC†Cí PSPµ
P·bḡ™ CíCíCíPsPIP°PSPëPNḡ. PḡPsP¶P»PëPIPs, PīCḡPµPīP°CḡP°C, P±P»PsPeCíC”
PIPëPSPëPePSPµPSPSCí P±P»CḡPIPsC,PSPsPiPs CḡPµC,,P»PµPeCíCí, PIPëCíPIP»CíCḡC‡Pë
P°PSC,P°PiPsPSC-CíC,PëC‡PSCí PrC-Cḡ C%PsPrPs 5PḡPḡ₃-CḡPµC†PµPīC,PSCḡC-PI, CíPeC-
P»PsPeP°P»C-P·CíCḡC,CḡCíCí Cí PSPµPNḡCḡPsPSP°C... CíPe PīPµCḡPëC,,PµCḡPëC‡PSPsC—,
C,P°Pe C- C†PµPSC,CḡP°P»CḡPSPsC— PSPµCḡPIPsPIPsC— CíPëCíC,PµPjPë. PµCḡPµPīP°CḡP°C,
PSPµ P·PjPµPSC€CíC” PīCíPëC...PsPjPsC,PsCḡPSPsC— P°PeC,PëPIPsPSCíC,C- PīP°C†C-C”PSC,P°
C- PSPµ PIPëCíPIP»CíC” CíPµPrP°C,PëPIPsPSPiPs PµC,,PµPeC,Cí.

PḡPsC‡PSPëPNḡ PjPµC...P°PSC-P·Pj PePsPSC,CḡPsP»Cḡ PSCíPrPsC,Pë C- P±P»CḡPIP°PSPSCí
PSPµPIC-PrPsPjPëPNḡ. PíC-PjC-PsC,PµCḡP°PīPµPIC,PëC‡PSC- P·P°CíPsP±Pë C-
PīCḡPsPjPµPSPµPIP° C,PµCḡP°PīC-Cí PjPsP¶CíC,Cḡ PIPëPeP»PëPeP°C,Pë
PIPëPIC-P»CḡPSPµPSPSCí 5HT Cí C,PsPSPePsPjCí PePëC€PµC‡PSPëPeCí,
CíC,PëPjCíP»CḡCḡC‡Pë P±P»CḡPIPsC,PSPëPNḡ CḡPµC,,P»PµPeCíC €P»CíC...PsPj
P°PeC,PëPIP°C†C-C— PIP°PīP°P»CḡPSPëC... P°C,,PµCḡPµPSC,PSPëC... PSPµCḡPIC-PI
C‡PµCḡPµP· CḡPµC†PµPīC,PSCḡPë 5HT3. PḡPSPPrP°PSCíPµC,CḡPsPS P±P»PsPeCíC”
CíC,PëPjCíP»CḡPIP°PSPSCí C†CḡPsPiPs CḡPµC,,P»PµPeCíCí. PḡPeC,PëPIP°C†C-Cí
P±P»CíPeP°CḡC‡PëC... P°C,,PµCḡPµPSC,PSPëC... PSPµCḡPIC-PI PjPsP¶Pµ C,P°PePsP¶
PIPëPeP»PëPeP°C,Pë PIPëPIC-P»CḡPSPµPSPSCí 5HT Cí PrC-P»CíPSC†C-, C%Ps
CḡPsP·C,P°C€PsPIP°PSP° PSP° PrPSC- C†PµC,PIPµCḡC,PsPiPs C€P»CíPSPsC‡PeP° (area
postxema), C- C†Pµ C,P°PePsP¶ PjPsP¶Pµ CíPīCḡPëC‡PëPSPëC,Pë P±P»CḡPIP°PSPSCí
C‡PµCḡPµP· C†PµPSC,CḡP°P»CḡPSPëPNḡ PjPµC...P°PSC-P·Pj. PḡP°PePëPj C‡PëPSPsPj, PIPīP»PëPI
PsPSPPrP°PSCíPµC,CḡPsPSCí PSP° PSCíPrPsC,Cí C,P° P±P»CḡPIP°PSPSCí,
PIPëPeP»PëPeP°PSC- C†PëC,PsC,PsPeCíPëC‡PSPsCḡ C...C-PjC-PsC,PµCḡP°PīC-C”Cḡ C,P°
PīCḡPsPjPµPSPµPIPsCḡ C,PµCḡP°PīC-C”Cḡ, PNḡPjPsPIC-CḡPSPs, PīPsCíCíPSCḡC”C,CḡCíCí
P°PSC,P°PiPsPSC-P·PjPsPj 5PḡPḡ₃-CḡPµC†PµPīC,PSCḡC-PI PSP° PSPµPNḡCḡPsPSP°C...,
CḡPsP·C,P°C€PsPIP°PSPëC... CíPe Cí PīPµCḡPëC,,PµCḡPëC‡PSC-PNḡ, C,P°Pe C- PI

C†PμPSC, CḡP°P»CHBPSC- PNē PSPμCḡPIPSPIC- PNē CḡPēCḡC, PμPjC-. PḡPμC...P°PSC-P·Pj PrC-C—
PīCḡPē PīC-CḡP»CḡPSPiPμCḡP°C†C- PNēPSC- PNē PSCḡPrPsC, C- C- P±P»CḡPIP°PSPSC-
PSPμPIC-PrPsPjPēPNē, PīCḡPsC, Pμ PjPμC...P°PSC-P·Pj PrC-C— PjPsPḡPμ P±CḡC, Pē
CḡC...PsPḡPēPj PSP° C, PsPNē, C%oPs CḡPīPsCḡC, PμCḡC-PiP°C”C, CHCḡCḡ PīCḡPē PSCḡPrPsC, C-
C, P° P±P»CḡPIP°PSPSC-, PIPēPeP»PēPeP°PSPēC... C†PēC, PsC, PsPeCḡPēC†PSPSCḡ
C, PμCḡP°PīC-C”Cḡ.

PḡPSPPrP°PSCḡPμC, CḡPsPS PSPμ P·PjC-PSCḡC” PePsPSC†PμPSC, CḡP°C†C-Cḡ
PīCḡPsP»P°PeC, PēPSCḡ Pī PīP»P°P·PjC- PeCḡPsPIC-.

P PsP»CH PsPSPPrP°PSCḡPμC, CḡPsPSCḡ PīCḡPē PSCḡPrPsC, C- C, P° P±P»CḡPIP°PSPSC-,
CḡPīCḡPēC†PēPSPμPSPēC... PrC-C”Cḡ PsPīC-P°C, C-PI, PrPsC, PμPīPμCḡ PSPμ
PICḡC, P°PSPsPIP»PμPSP°.

PḡP°CḡPjP°PePsPeC-PSPμC, PēPeP°.

PμC-CḡP»Cḡ PīPμCḡPsCḡP°P»CHBPSPsPiPs P·P°CḡC, PsCḡCḡPIP°PSPSCḡ
PsPSPPrP°PSCḡPμC, CḡPsPSCḡ PICḡPjPsPeC, CḡPIP°PSPSCḡ PIC-PrP±CḡPIP°C”C, CHCḡCḡ
CēPIPēPrPePs, PjC-PSC-PjP°P»CHBPSP° PīP»P°P·PjPsPIP° PePsPSC†PμPSC, CḡP°C†C-Cḡ Bḡ”
PīCḡPēP±P»PēP·PSPs 30 PSPi/PjP» Bḡ” PrPsCḡCḡPiP°C”C, CHCḡCḡ PīCḡPēP±P»PēP·PSPs
C†PμCḡPμP· 1,5 PiPsPrPēPSPē PīC-CḡP»Cḡ PIPiPμPrPμPSPSCḡ PrPsP·Pē 8 PjPi. PŸPēCḡPsPī C-
C, P°P±P»PμC, PePē P±C-PsPμPePIC-PIP°P»PμPSC, PSC- C, P° PjP°CḡC, CH P°P±CḡPsP»CḡC, PSCḡ
PīPμCḡPsCḡP°P»CHBPSCḡ P±C-PsPrPsCḡC, CḡPīPSC-CḡC, CH 60 %. P PsP·PīPsPrC-P»
PsPSPPrP°PSCḡPμC, CḡPsPSCḡ PīC-CḡP»Cḡ PīPμCḡPsCḡP°P»CHBPSPsPiPs,
PIPSCḡC, CḡC-CēPSCḡPsPIPμPSPSPsPiPs C- PIPSCḡC, CḡC-CēPSCḡPsPjBḡ™ CḡP·PsPIPSPiPs
P·P°CḡC, PsCḡCḡPIP°PSPSCḡ C” PsPrPSP°PePsPIPēPj, CḡPe C- PīPμCḡC-PsPr
PSP°PīC-PIPIPēPIPμPrPμPSPSCḡ, CḡPePēPNē CḡC, P°PSPsPIPēC, CH PīCḡPēP±P»PēP·PSPs 3
PiPsPrPēPSPē, CḡC, P°C†C-PsPSP°CḡPSPēPNē PsP±Bḡ™ C”Pj CḡPsP·PīPsPrC-P»Cḡ Bḡ”
PīCḡPēP±P»PēP·PSPs 140 P». PḡPSPPrP°PSCḡPμC, CḡPsPS PSPμ P·PjBḡ™ CḡP·CḡC”C, CHCḡCḡ P·
P±C-P»PeP°PjPē PīP»P°P·PjPē PeCḡPsPIC- (70Bḡ”76 %) C- PIPēPIPsPrPēC, CHCḡCḡ P·C-
CḡPēCḡC, PμPjPSPsPiPs PeCḡPsPIPsPsP±C-PiCḡ PīPμCḡPμPIP°PḡPSPs CēP»CḡC...PsPj
PīPμC†C-PSPePsPIPsPiPs PjPμC, P°P±PsP»C-P·PjCḡ P·P° CḡC†P°CḡC, Cḡ
C,, PμCḡPjPμPSC, P°C, PēPIC-PI. PḡPμPSCēPμ 5 % PIC-Pr PīPsPiP»PēPSPμPSPSC— PrPsP·Pē
PIPēPIPsPrPēC, CHCḡCḡ Cḡ PSPμP·PjC-PSPμPSPsPjCḡ PIPēPiP»CḡPrC- P·C- CḡPμC†PμCḡ.
PμCḡPē PIC-PrCḡCḡC, PSPsCḡC, C- C,, PμCḡPjPμPSC, Cḡ CYP2D6
(PrPμP±CḡPēP·PsC...C-PSPsPIPēPNē PīPsP»C-PjPsCḡC,, C-P·Pj) PSC-CḡPePēC... P·PjC-PS Cḡ
C,, P°CḡPjP°PePsPeC-PSPμC, PēC†C- PsPSPPrP°PSCḡPμC, CḡPsPSCḡ PSPμ
CḡPīPsCḡC, PμCḡC-PiP°C”C, CHCḡCḡ. PḡP°CḡPjP°PePsPeC-PSPμC, PēC†PSC-
PIP»P°CḡC, PēPIPsCḡC, C- PsPSPPrP°PSCḡPμC, CḡPsPSCḡ PSPμ P·PjC-PSCḡCḡC, CHCḡCḡ PīCḡPē
PīPsPIC, PsCḡPSPsPjCḡ P·P°CḡC, PsCḡCḡPIP°PSPSC-.

PḡCḡPsP±P»PēPIC- PīCḡCḡPīPē PīP°C†C-C”PSC, C-PI:

PŸC, P°C, CH

PḡPSPPrP°PSCḡPμC, CḡPsPS PīPs-CḡC-P·PSPsPjCḡ PIPiP»PēPIP°C” PSP° C†PsP»PsPIC-PeC-PI C, P°
PḡC-PSPsPe, PīCḡPēC†PsPjCḡ Cḡ PḡC-PSPsPe CḡPīPsCḡC, PμCḡC-PiP°C”C, CHCḡCḡ
P±C-P»CHCēP° CēPIPēPrPeC-CḡC, CH C- CḡC, CḡPīC-PSCḡ P°P±CḡPsCḡP±C†C-C—
PīC-CḡP»Cḡ PīPμCḡPsCḡP°P»CHBPSPsPiPs P·P°CḡC, PsCḡCḡPIP°PSPSCḡ, CḡPēCḡC, PμPjPSPēPNē
PeP»C-CḡPμPSCḡ C- PsP±CḡCḡPi CḡPsP·PīPsPrC-P»Cḡ P· CḡCḡP°C...CḡPIP°PSPSCḡPj PjP°CḡPē
C, C-P»P° P·PSPēPḡPμPSC-.

P''C-C,Pë C,P° PïC-PrP»C-C,PePë (PIC-PePsPj PIC-Pr 1 PjC-Cl'ClC†ClI PrPs 17 CËPsPeC-PI)

PJ PïPµPrC-P°C,CËPëC‡PSPëC... PïC-Cl'P»ClIPsPïPµCËP°C†C-PNëPSPëC... PïP°C†C-C''PSC,C-PI
PIC-PePsPj PIC-Pr 1 PrPs 4 PjC-Cl'ClC†C-PI (n=19) PeP»C-CËPµPSCÍ P±C†PI
PïCËPëP±P»PëP·PSPs PSP° 30 % PïPsPIC-P»CHbPSC-CëPëPNë, PSC-P¶ C† PïP°C†C-C''PSC,C-PI
PIC-PePsPj PIC-Pr 5 PrPs 24 PjC-Cl'ClC†C-PI (n=22), P°P»Pµ PrPsCËC-PIPSCHPIP°PI
PeP»C-CËPµPSCÍC† C† PïP°C†C-C''PSC,C-PI PIC-PePsPj PIC-Pr 3 PrPs 12 CËPsPeC-PI.
PµPµCËC-PsPr PSP°PïC-PIPIPëPIPµPrPµPSPSCÍ C† PïP°C†C-C''PSC,C-PI PIC-PePsPj PIC-Pr 1
PrPs 4 PjC-Cl'ClC†C-PI Cl'C,P°PSPsPIPëC,CH C† Cl'PµCËPµPrPSCbPsPjC† 6,7 PïPsPrPëPSPë
PïPsCËC-PIPSCHPIPSs P· 2,9 PïPsPrPëPSPë C† PïP°C†C-C''PSC,C-PI PIC-PePsPj PIC-Pr 5 PrPs 24
PjC-Cl'ClC†C-PI C- PIC-PePsPj PIC-Pr 3 PrPs 12 CËPsPeC-PI. P'C-PrPjC-PSPSPsCl'C,C- C†
C,,P°CËPjP°PePsPeC-PSPµC,PëC‡PSPëC... PïP°CËP°PjPµC,CËP°C... C† PïP°C†C-C''PSC,C-PI
PIC-PePsPj PIC-Pr 1 PrPs 4 PjC-Cl'ClC†C-PI C‡P°CÍC,PePsPIPs PïPsClCÍPSCbCHC,CHCÍClI
PIPëC%PëPj PIC-PrCl'PsC,PePsPj P·P°PïP°P»CHbPSPsC— PeC-P»CHbPePsCl'C,C- PIPsPrPë C†
PSPsPIPsPSP°CËPsPrP¶PµPSPëC... C,P° PSPµPjPsPIP»ClIC, C- P±C-P»CHCëPëPj
PsP±bË™ C''PjPsPj CËPsP·PïPsPrC-P»C† PIPsPrPsCËPsP·C‡PëPSPSPëC...
P»C-PeP°CËCl'CHbPePëC... P·P°CÍPsP±C-PI, C,P°PePëC... ClIPe PsPSPrP°PSCÍPµC,CËPsPS. PJ
PïPµPrC-P°C,CËPëC‡PSPëC... PïP°C†C-C''PSC,C-PI PIC-PePsPj PIC-Pr 3 PrPs 12 CËPsPeC-PI,
ClIPeC- PïCËPsPNëCëP»Pë PïP»P°PSPsPIC† PsPïPµCËP°C†C-CH C-P· P·P°PïP°P»CHbPSPsCH
P°PSPµCl'C,PµP·C-C''CH, P°P±CÍPsP»CHC,PSC- P·PSP°C‡PµPSPSCÍ ClIPe PeP»C-CËPµPSCÍC†,
C,P°Pe C- PsP±bË™ C''PjC† CËPsP·PïPsPrC-P»C† PsPSPrP°PSCÍPµC,CËPsPSC†
P·PjPµPSCëC†PIP°P»PëCÍClI PïPsCËC-PIPSCHPIPSs P·C- P·PSP°C‡PµPSPSCÍPjPë C†
PrPsCËPsCl'P»PëC... PïP°C†C-C''PSC,C-PI. PhP±PëPrPIP° PïP°CËP°PjPµC,CËPë
P·CËPsCl'C,P°P»Pë P»C-PSC-PNëPSPs P·C- P·P±C-P»CHCëPµPSPSCÍPj PjP°Cl'Pë C,C-P»P° C-
PrPs 12 CËPsPeC-PI, P·PSP°C‡PµPSPSCÍ PSP°P±P»PëP¶P°P»PëCÍClI PrPs P·PSP°C‡PµPSCb
PjPsP»PsPrPëC... PrPsCËPsCl'P»PëC.... PµPsP»Pë P·PSP°C‡PµPSPSCÍ PeP»C-CËPµPSCÍC† C-
PsP±bË™ C''PjC† CËPsP·PïPsPrC-P»C† PSPsCËPjP°P»C-P·C†PIP°P»PëCÍClI P·P° PjP°Cl'PsCH
C,C-P»P°, P·PSP°C‡PµPSPSCÍ C†PëC... PïP°CËP°PjPµC,CËC-PI P±C†P»Pë PsPrPSP°PePsPIPëPjPë
C† CËC-P·PSPëC... PIC-PePsPIPëC... PïCËC†PïP°C.... P—P°CÍC,PsCl'C†PIP°PSPSCÍ
PïCËPµPïP°CËP°C,C† PIC-PrPïPsPIC-PrPSPs PrPs PjP°Cl'Pë C,C-P»P° PePsPjPïPµPSCÍC†C''
PIC-PePsPIC- P·PjC-PSPë C- C'' PµC,,PµPeC,PëPIPSPëPj PïCËPë PSPsCËPjP°P»C-P·P°C†C-C—
Cl'PëCÍC,PµPjPSPsPiPs PIPïP»PëPIC† C† PrC-C,PµPNë. PµPsPïC†P»ClC†C-PNëPSPëPNë
C,,P°CËPjP°PePsPeC-PSPµC,PëC‡PSPëPNë P°PSP°P»C-P· PïCËPsPIPsPrPëP»Pë C†
PrPsP±CËPsPIPsP»CHC†C-PI (PsPSPePsP»PsPiC-C‡PSPëC... C...PIPsCËPëC...,
C...C-CËC†CËPiC-C‡PSPëC... PïP°C†C-C''PSC,C-PI C- P·PrPsCËPsPIPëC...
PrPsP±CËPsPIPsP»CHC†C-PI) PIC-PePsPj PIC-Pr 1 PjC-Cl'ClC†ClI PrPs 44 CËPsPeC-PI
PïC-Cl'P»ClI PIPSC†C,CËC-CëPSCbPsPIPµPSPSPsPiPs PIPIPµPrPµPSPSCÍ
PsPSPrP°PSCÍPµC,CËPsPSC†. P—P° CËPµP·C†P»CHC,P°C,P°PjPë P°PSP°P»C-P·C†,
Cl'PëCÍC,PµPjPSPëPNë PIPïP»PëPI (AUC) PsPSPrP°PSCÍPµC,CËPsPSC† PïC-Cl'P»ClI
PïPµCËPsCËP°P»CHbPSPsPiPs P°P±Ps PIPSC†C,CËC-CëPSCbPsPIPµPSPSPsPiPs
P·P°CÍC,PsCl'C†PIP°PSPSCÍ C† PrC-C,PµPNë C,P° PïC-PrP»C-C,PeC-PI P±C†PI
PïPsCËC-PIPSCHPIPSPSPëPNë P· C,P°PePëPj C† PrPsCËPsCl'P»PëC..., P·P° PIPëPSCÍC,PePsPj
PrC-C,PµPNë PIC-PePsPj PIC-Pr 1 PrPs 4 PjC-Cl'ClC†C-PI. PhP±bË™ C''Pj CËPsP·PïPsPrC-P»C†
P·P°P»PµP¶P°PI PIC-Pr PIC-PeC† C- P±C†PI PSPëP¶C‡PëPj C† PrPsCËPsCl'P»PëC..., PSC-P¶ C†
PSPµPjPsPIP»ClIC, C- PrC-C,PµPNë. P'PëPIPµPrPµPSPSCÍ P±C†P»Ps PïPsPIbË™ ClI·P°PSPs P·
PjP°Cl'PsCH C,C-P»P°, P° PSPµ P· PIC-PePsPj, P·P° PIPëPSCÍC,PePsPj PrC-C,PµPNë PIC-PePsPj
PIC-Pr 1 PrPs 4 PjC-Cl'ClC†C-PI. P'P°P¶PePs P·CËPsP±PëC,Pë PIPëCÍPSPsPIPsPe, C‡Pë
C-CÍPSC†PIP°P»Ps PrPsPrP°C,PePsPIPµ P·PSPëP¶PµPSPSCÍ PeP»C-CËPµPSCÍC†,
PïPsPIbË™ ClI·P°PSPµ P· PIC-PePsPj C† PrC-C,PµPNë PIC-PePsPj PIC-Pr 1 PrPs 4
PjC-Cl'ClC†C-PI, C‡Pë C†Pµ P±C†P»Pë PïCËPëCËPsPrPSC- PIC-PrPjC-PSPSPsCl'C,C-
C‡PµCËPµP· PSPëP·CHbPeC† PeC-P»CHbPeC-Cl'C,CH PrPsCl'P»C-PrP¶C†PIP°PSPëC... C† C†C-PNë

PIC-PePsPIC-PN₆ PiC₇Cr₇PiC-. PhC₇PeC-P»CH₇PePë P₇P°C†C-C”PSC,Pë PIC-PePsPj PrPs 6
PjC-C₇Cl₇C†C-PI PsC,C₇PëPjCr₇ChC,CH₇ C,C-P»CH₇PePë PsPrPSC₇ PrPsP·Cr₇ PiC₇Pë
PIPëPSPëPePSP₇PSPSC- PiC-C₇P»C₇IPsPiP₇CH₇P°C†C-PN₆PSPëC... PSC₇PrPsC,Pë C,P°
P±P»C₇PIP°PSPSC₇, PN₆PjPsPIC-C₇PSPs, P·PSPëP₇IP₇PSPSC₇ PeP»C-C₇P₇PSC₇Cr₇ PSP₇
P±Cr₇PrP₇ PjP°C,Pë PeP»C-PSC-C†PSPsPiPs P·PSP°C†P₇PSPSC₇.

P₇P°C†C-C”PSC,Pë P»C-C,PSC₇PsPiPs PIC-PeC₇

P—P°PiP°P»PsPj PSP₇ P±Cr₇P»Ps PIPëC₇IP₇P»P₇PSPs PIC-PrPjC-PSPSPsC₇C,P₇PN₆ C%₇PsPrPs
P±P₇P·PiP₇PePë C,P° P₇IC,,P₇PeC,PëPIPSPsC₇C,C- P·P°C₇C,PSC₇Cr₇PIP°PSPSC₇
PsPSPPr°PSC₇P₇C,C₇PsPSC₇ PjPsP»PsPrPëPj PsPSPePsP»PsPiC-C†PSPëPj C...PIP₇C₇PëPj C-
PsPSPePsP»PsPiC-C†PSPëPj C...PIP₇C₇PëPj P»C-C,PSC₇PsPiPs PIC-PeCr₇, C,PsPjCr₇ PSP₇PjP°C”
PsC₇PsP±P»PëPIPëC... C₇P₇PePsPjP₇PSPPr°C†C-PN₆ C%₇PsPrPs PrPsP·Cr₇PIP°PSPSC₇ PrP»C₇
C...PIP₇C₇PëC... P»C-C,PSC₇PsPiPs PIC-PeCr₇.

Pj P₇P°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 75 C₇PsPeC-PI PsC†C-PeCr₇C,C₇CH₇C₇
P±C-P»CH₇CëPëPN₆ PIP₇P»PëPI PsPSPPr°PSC₇P₇C,C₇PsPSC₇ PSP° C-PSC,P₇CH₇IP₇P»P» QTcF,
P₇PsC₇C-PIPSC₇IPSPs P· PjPsP»PsPrPëPjPë.

P₇PsC₇C₇CëP₇PSPSC₇ C,,C₇PSPeC†C-C— PSPëC₇PsPe

Pj P₇P°C†C-C”PSC,C-PI C-P· P₇PsC₇Cr₇CëP₇PSPSC₇IPjPë C,,Cr₇PSPeC†C-C— PSPëC₇PsPe
(PeP»C-C₇P₇PSC₇ PeC₇P₇P°C,PëPSC-PSC₇ 15b₇“60 PjP»/C...PI) C₇PëC₇C,P₇PjPSPëPN₆
PeP»C-C₇P₇PSC₇ C- PsP±b₇™ C”Pj C₇PsP·P₇PsPrC-P»Cr₇ P·PSPëP₇Cr₇ChC,CH₇C₇C₇, C%₇Ps
C₇PiC₇PëC†PëPSC₇C” P₇PsPjC-C₇PSP₇, P°P»P₇ PeP»C-PSC-C†PSPs PSP₇P·PSP°C†PSP₇,
P·P±C-P»CH₇CëP₇PSPSC₇ PiP₇CH₇C-PsPrCr₇ PSP°PiC-PIPIPëPIP₇PrP₇PSPSC₇ (5,4 PiPsPrPëPSPë).
P”PsC₇P»C-PrP₇IP₇PSPSC₇ Cr₇ P₇P°C†C-C”PSC,C-PI P· C,C₇IP₇PePsCh PSPëC₇PePsIPsCh
PSP₇PrPsC₇C,P°C,PSC-C₇C,C₇ C₇PeC- PiPsC,C₇P₇P±Cr₇PIP°P»Pë C₇P₇PiCr₇P»C₇CH₇PSPsPiPs
PiP₇PjPsPrC-P°P»C-P·Cr₇, P₇PsPeP°P·P°P»Ps, C%₇Ps C,,P°C₇PjP°PePsPeC-PSP₇C,PëPeP°
PsPSPPr°PSC₇P₇C,C₇PsPSC₇ PiC₇P°PeC,PëC†PSPs PSP₇ P·PjC-PSC₇C”C,CH₇C₇C₇.

P₇PsC₇C₇CëP₇PSPSC₇ C,,C₇PSPeC†C-C— PiP₇C†C-PSPePë

Pj P₇P°C†C-C”PSC,C-PI P· C,C₇IP₇PePsCh PiP₇C†C-PSPePsIPsCh
PSP₇PrPsC₇C,P°C,PSC-C₇C,C₇ C₇PëC₇C,P₇PjPSPëPN₆ PeP»C-C₇P₇PSC₇ PiPsPjC-C,PSPs
P·PSPëP₇Cr₇C”C,CH₇C₇C₇ P· C,C₇PëPIP°P»PëPj PiP₇CH₇C-PsPrPsPj
PSP°PiC-PIPIPëPIP₇PrP₇PSPSC₇ (15b₇“32 PiPsPrPëPSPë), P° PiP₇CH₇PsC₇P°P»CH₇PSP°
P±C-PsPrPsC₇C,C₇PiPSC-C₇C,CH₇ PSP°P±P»PëP₇P°C”C,CH₇C₇C₇ PrPs 100 % C†P₇CH₇P₇·
P·PjP₇PSCëP₇PSPSC₇ PiP₇CH₇P₇PrC₇PëC₇C,P₇PjPSPsPiPs PjP₇C,P°P±PsP»C-P·PjCr₇.

P₇P»C-PSC-C†PSC- C...P°C₇P°PeC,P₇CH₇PëC₇C,PëPePë.

P₇PsPeP°P·P°PSPSC₇.

P”PsC₇PsC₇P»C-

PhPSPPr°PSC₇P₇C,C₇PsPS Cr₇ C,,PsC₇PjC- C,P°P±P»P₇C,PsPe, C%₇Ps
PrPëC₇PiP₇CH₇PiCr₇ChC,CH₇C₇C₇ PI C₇PsC,PsPIC- PiPsC₇PsP₇PSPëPSC-,
PiC₇PëP·PSP°C†P°ChC,CH₇ PrP»C₇C P»C-PeCr₇PIP°PSPSC₇ PSC₇PrPsC,Pë C,P°
P±P»C₇PIP°PSPSC₇, PIPëPeP»PëPeP°PSPëC... C†PëC,PsC,PsPeC₇PëC†PSPsCh
C...C-PjC-PsC,P₇CH₇P°PiC-C”Ch C,P° PiC₇PsPjP₇PSP₇IPsCh C,P₇CH₇P°PiC-C”Ch.

PhPSPPrP°PSCÍPµC,ChPsPS Cr C,,PsChPjC- C,P°P±P»PµC,PsPe, C%Ps
PrPëCÍPíPµChPíCíChC,ChCÍCÍ PI ChPsC,PsPIC-PNë PíPsChPsP¶PSPëPSC-,
PíChPëP·PSP°C±P°ChC,Ch PrP»CÍ PíChPsC,,C-P»P°PeC,PëPePë
PíC-CÍP»CÍPsPíPµChP°C†C-PNëPSPëC... PSCÍPrPsC,Pë C,P° P±P»ChPIP°PSPSCÍ (PµPhP´K´P´).

P°P»CÍ P»C-PeCíPIP°PSPSCÍ PµPhP´K´P´ ChPµPePsPjPµPSPPrCíC°C,ChCÍCÍ
PíChPëP·PSP°C±PµPSPSCÍ PsPSPPrP°PSCÍPµC,ChPsPSCÍ Cr PIPëPíP»CÍPrC-
C-PSB¶™ C°PeC†C-PNë.

P°C-C,Pë

PhPSPPrP°PSCÍPµC,ChPsPS Cr C,,PsChPjC- C,P°P±P»PµC,PsPe, C%Ps
PrPëCÍPíPµChPíCíChC,ChCÍCÍ PI ChPsC,PsPIC-PNë PíPsChPsP¶PSPëPSC-,
PíChPëP·PSP°C±P°ChC,Ch PrP»CÍ P»C-PeCíPIP°PSPSCÍ PSCÍPrPsC,Pë C,P°
P±P»ChPIP°PSPSCÍ, PIPëPeP»PëPeP°PSPëC... C...C-PjC-PsC,PµChP°PíC-C°Ch, Cr PrC-C,PµPNë
PIC-PePsPj PIC-Pr 6 PjC-CÍCÍC†C-PI*.

P°P»CÍ PíChPsC,,C-P»P°PeC,PëPePë PµPhP´K´P´ Cr PrC-C,PµPNë PIC-PePsPj PIC-Pr 1
PjC-CÍCÍC†CÍ ChPµPePsPjPµPSPPrCíC°C,ChCÍCÍ PíChPëP·PSP°C±P°C,Pë PíChPµPíP°ChP°C, Cr
PIPëPíP»CÍPrC- C-PSB¶™ C°PeC†C-C—.

* P—P°CÍC,PsCÍCíPIP°PSPSCÍ PsPSPPrP°PSCÍPµC,ChPsPSCÍ PI ChC-P·PSPëC...
P»C-PeP°ChCÍChPePëC... C,,PsChPjP°C... PsPíPëCÍP°PSPs Cr ChPsP·PrC-P»C- B«PÿPíPsCÍC-P±
P·P°CÍC,PsCÍCíPIP°PSPSCÍ C,P° PrPsP·PëB», PrPµ P·P°P·PSP°C±PµPSPs, C%Ps
P»C-PeCíPIP°PSPSCÍ PrC-C,PµPNë C,P°P±P»PµC,PeP°PjPë ChPsP·PíPsC±PëPSP°C°C,ChCÍCÍ P·
PrPsCÍCÍPiPSPµPSPSCÍ PíP»PsC%C- PíPsPIPµChC...PSC- C,C-P»P° PrPëC,PëPSPë 0,6 Pj²,
C%Ps PíChPëP±P»PëP·PSPs PIC-PrPíPsPIC-PrP°C° 4-ChC-C±PSPsPjCí PIC-PeCí.

PµChPsC,PëPíPsPeP°P·P°PSPSCÍ.

P—P°CÍC,PsCÍCíPIP°PSPSCÍ PsPSPPrP°PSCÍPµC,ChPsPSCÍ ChP°P·PsPj P·
P°PíPsPjPsChC,,C-PSCÍ PíC-PrChPsC...P»PsChPëPrPsPj PíChPsC,PëPíPsPeP°P·P°PSPµ.

PµC-PrPIPëC%PµPSP° C±CíC,P»PëPIC-CÍC,Ch PrPs P±CíPrChC-CÍPePsPíPs
PePsPjPíPsPSPµPSC,P° P»C-PeP°ChCÍChPePsPíPs P·P°CÍPsP±Cí.

***P°P·P°C°PjPsPrC-CÍ P· C-PSC€PëPjPë P»C-PeP°ChCÍChPePëPjPë P·P°CÍPsP±P°PjPë C,P°
C-PSC€C- PIPëPrPë PIP·P°C°PjPsPrC-PNë.***

PhPSPPrP°PSCÍPµC,ChPsPS PSPµ PíChPëCÍPePsChC° C- PSPµ PíP°P»ChPjCíC°
PjPµC,P°P±PsP»C-P·Pj C-PSC€PëC... PíChPµPíP°ChP°C,C-PI PíChPë PsPrPSPsC±P°CÍPSPsPjCí P·
PSPëPjPë P·P°CÍC,PsCÍCíPIP°PSPSC-. PÿPíPµC†C-P°P»ChPSC- PrPsCÍP»C-PrP¶PµPSPSCÍ
PíPsPeP°P·P°P»Pë, C%Ps PsPSPPrP°PSCÍPµC,ChPsPS PSPµ PIP·P°C°PjPsPrC-C° P·
P°P»PePsPíPsP»PµPj, C,PµPjP°P·PµPíP°PjPsPj, C,,CíChPsCÍPµPjC-PrPsPj,
P°P»C,,PµPSC,P°PSC-P»PsPj, C,ChP°PjP°PrPsP»PsPj, PjPsChC,,C-PSPsPj, P»C-PrPsPeP°C—PSPsPj,
C,C-PsPíPµPSC,P°P»PsPj P°P±Ps PíChPsPíPsC,,PsP»PsPj.

PrP_uPSC-C, PsC—PS, PeP°C₇P±P°PjP°P·P_uPiC-PS C- C₇PëC,,P°PjPiC-C†PëPS

Pj PiP°C†C-C" PSC, C-PI, C₇PeC- P»C-PeC₇C₇C, C₇C₇C₇ PiPsC, P_uPSC†C-PN₂PSPëPjPë
C-PSPrC₇PeC, PsC₇P°PjPë CYP3A4 (PSP°PiC₇PëPeP»P°Pr, C,, P_uPSC-C, PsC—PSPsPj,
PeP°C₇P±P°PjP°P·P_uPiC-PSPsPj C- C₇PëC,,P°PjPiC-C†PëPSPsPj), PeP»C-C₇P_uPSC†
PsPSPrP°PSC†P_uC, C₇PsPSC† P·P±C-P»C₇C₇C₇C, C₇C₇C₇ C- PN₂PsPiPs
PePsPSC†P_uPSC, C₇P°C†C-C₇ C₇ PeC₇PsPIC- P·PjP_uPSC€C₇C₇C, C₇C₇C₇.

P₇C₇P°PjP°PrPsP»

P—P° PrP°PSPëPjPë PrP_uC₇PePëC... PeP»C-PSC-C†PSPëC... PrPsC†P»C-PrP_uPSC₇,
PsPSPrP°PSC†P_uC, C₇PsPS PjPsP_uP_u P·PjP_uPSC€C₇PIP°C, Pë P°PSP°P»PiP_uC, PëC†PSPëPN₂
P_uC,, P_uPeC, C, C₇P°PjP°PrPsP»C₇.

PhC₇PsP±P»PëPIPsC₇C, C- P·P°C₇C, PsC₇C₇PIP°PSPSC₇.

P_uC₇Pë P»C-PeC₇PIP°PSPSC- PiP°C†C-C" PSC, C-PI C-P· PiC₇PsC₇PIP°PjPë
PiC-PiP_uC₇C†C₇C, P»PëPIPsC₇C, C- PrPs C-PSC€PëC... C₇P_uP»P_uPeC, PëPIPsPëC...
P°PSC, P°PiPsPSC-C₇C, C-PI 5P₇P₇3-C₇P_uC†P_uPiC, PsC₇C-PI C₇PiPsC₇C, P_uC₇C-PiP°P»PëC₇C₇
C₇P_uP°PeC†C-C— PiC-PiP_uC₇C†C₇C, P»PëPIPsC₇C, C-.

P P_uP°PeC†C-C—, PiPsPiB₇TM C₇P·P°PSC- P· PrPëC...P°P»C₇PsPsC₇ C₇PëC₇C, P_uPjPsC₇,
P»C-PeC₇C₇C, C₇ C₇PëPjPiC, PsPjP°C, PëC†PSPs. P₇P_uPrPëC†PSC- PiC₇P°C†C-PIPSPëPePë
PjP°C₇C, C₇ P·PiP_uC₇C, P°C, Pë PSP° PSPëC... PsC₇PsP±P»PëPIC₇ C₇PIP°PiC₇,
PsC₇PeC-P»C₇PePë PIPsPSPë C" PsP·PSP°PeP°PjPë C₇P_uP°PeC†C-PN₂ PiC-PrPIPëC%P_uPSPsC—
C†C₇C, P»PëPIPsC₇C, C- PSP° P»C-PeP°C₇C₇C₇PePëPN₂ P·P°C₇C-P±.

PhPSPrP°PSC†P_uC, C₇PsPS C₇ PrPsP·PsP·P°P»P_uP_uPSC-PN₂ C,, PsC₇PjC- PiPsPrPsPIP_uC₇C"
C-PSC, P_uC₇PIP°P» QT. P"PsPrP°C, PePsPIPs PiC-Pr C†P°C₇
PiC-C₇P»C₇PjP°C₇PeP_uC, PëPSPiPsPIPsPiPs C₇PiPsC₇C, P_uC₇P_uP_uPSPSC₇ P±C₇P»Pë
PiPsPIC-PrPsPjP»P_uPSPSC₇ PiC₇Ps PIPëPiP°PrPePë
C, C₇P_uPjC, C-PSPSC₇/PjP_uC₇P_uC...C, C-PSPSC₇ C€P»C₇PsPsC†PeC-PI (*torsade de pointes*)
PiC₇Pë P·P°C₇C, PsC₇C₇PIP°PSPSC- PsPSPrP°PSC†P_uC, C₇PsPSC₇. P₇P»C-Pr C₇PSPëPeP°C, Pë
P·P°C₇C, PsC₇C₇PIP°PSPSC₇ PsPSPrP°PSC†P_uC, C₇PsPSC₇ PiP°C†C-C" PSC, P°Pj C-P·
PIC₇PsPrP_uPSPëPj C₇PëPSPrC₇PsPjPsPj PiPsPrPsPIP_uPSPSC₇ QT.
PhPSPrP°PSC†P_uC, C₇PsPS P· PsP±P_uC₇P_uP_uPSC-C₇C, C₇ PiPsC, C₇C-P±PSPs
P·P°C₇C, PsC₇PsPIC₇PIP°C, Pë PrP»C₇ P»C-PeC₇PIP°PSPSC₇ PiP°C†C-C" PSC, C-PI, C₇PeC-
PjP°C₇C, C₇ P°P±Ps C₇ C₇PePëC... PjPsP_uP_u C₇PsP·PiPëPSC₇C, PëC₇C₇ PiPsPrPsPIP_uPSPSC₇
C-PSC, P_uC₇PIP°P»C₇ QT P°P±Ps C₇P_uC₇C†P_uPIC- P°C₇PëC, PjC-C—, PIPeP»C₇C†P°C₇C†Pë
PiP°C†C-C" PSC, C-PI C-P· PiPsC₇C₇C€P_uPSPSC₇PjPë P_uP»P_uPeC, C₇PsP»C-C, PSPsPiPs
P±P°P»P°PSC₇C₇, P·P°C₇C, C-PN₂PSPsC₇ C₇P_uC₇C†P_uPIPsC₇ PSP_uPrPsC₇C, P°C, PSC-C₇C, C₇,
P±C₇P°PrC-P°C₇PëC, PjC-C" C₇, PiP°C†C-C" PSC, C-PI, C₇PeC- P»C-PeC₇C₇C, C₇C₇C₇
C-PSC€PëPjPë PiC₇P_uPiP°C₇P°C, P°PjPë, C%Ps PjPsP_uC₇C, C₇ C₇PiC₇PëC†PëPSC₇C, Pë
PiPsPrPsPIP_uPSPSC₇ C-PSC, P_uC₇PIP°P»C₇ QT P°P±Ps PiPsC₇C₇C€P_uPSPSC₇
P_uP»P_uPeC, C₇PsP»C-C, PSPsPiPs P±P°P»P°PSC₇C₇. P_uP_uC₇P_uPr PiPsC†P°C, PePsPj
P·P°C₇C, PsC₇C₇PIP°PSPSC₇ PiC₇P_uPiP°C₇P°C, C₇ C₇P»C-Pr C₇PePsC₇P_uPiC₇PIP°C, Pë
PiC-PiPsPeP°P»C-C" PjC-C₇ C, P° PiC-PiPsPjP°PiPSC-C" PjC-C₇.

P_uC-C₇P»C₇ PsPrPSPsC†P°C₇PSPsPiPs P·P°C₇C, PsC₇C₇PIP°PSPSC₇
PsPSPrP°PSC†P_uC, C₇PsPSC₇ C, P° C-PSC€PëC... C₇P_uC₇PsC, PsPSC-PSP_uC₇PiC-C†PSPëC...

РiСҢРµРiР°СҢР°С,С-Рi (РiРeР»СҢС±Р°СҢС±Рё РҮРҫРҫ—Р—РҮ С,Р° РҫР—Р—РҮРҫ) Р±СҫРi
РsРiРёСҫР°Р°РSPёР№ СҫРµСҢРsС,РsРSС-РSPsРiРёР№ СҫРёРSPРҫСҢРsРj (Сҫ С,РsРjСҫ С±РёСҫР»С-
Р·РjС-РSPё РiСҫРёС...С-С±РSPsРiРs СҫСҫ,Р°РSPСҫ, РiРsСҢСҫСҫСҫРµРµРµРSPSСҫ Р· Р±РsРeСҫ
РiРµРiРµС,Р°С,РёРiРSPsС— РSPµСҢРiРsРiРsС— СҫРёСҫСҫ,РµРjРё С,Р° РSPµСҢРiРsРiРs-
РjРёTM СҫР·РsРiС- РiРsСҢСҫСҫСҫРµРµРµРSPSСҫ). РiРeС%Рs РsРРSPsС±Р°СҫРSPµ
Р»С-РeСҫРiР°РSPSСҫ РsРSPР°РSPСҫРµС,СҢРsРSPsРj С,Р° С-РSPСҫРёРjРё
СҫРµСҢРsС,РsРSС-РSPµСҢРiС-С±РSPёРjРё РiСҢРµРiР°СҢР°С,Р°РjРё РeР»С-РSP-С±РSPs
РsР±Т'СҢСҫРSPС,РsРiР°РSPs, СҢРµРeРsРjРµРSPРҫСҫ"С,СҢСҫСҫ РiС-РРiРsРiС-РРSPµ
СҫРiРsСҫСҫ,РµСҢРµРµРµРSPSСҫ Р·Р° РiР°СҫС-С"РSPС,РsРj.

РҫСҫРeС-Р»СҢРeРё РsРSPР°РSPСҫРµС,СҢРsРPS РiРsСҫР»Р°Р±»СҢС
РiРµСҢРёСҫСҫ,Р°Р»»СҢС,РёРeСҫ РeРёСҫСҫСҫРSPёРeСҫ, РiРsС,СҢС-Р±РSPёР№
СҢРµС,РµР»»СҢРSPёР№ РSP°РiР»СҫРР Р·Р° РiР°СҫС-С"РSPС,Р°РjРё Р· РsР·РSP°РeР°РjРё
РiС-РРiРsСҫСҫ,СҢРsС— РSPµРiСҢРsС...С-РРSPsСҫСҫ,С- РeРёСҫСҫСҫРSPёРeСҫ РiС-РР С±Р°СҫСҫ
Р·Р°СҫСҫ,РsСҫСҫРiР°РSPSСҫ РiСҢРµРiР°СҢР°С,Сҫ.

Рj РiР°СҫС-С"РSPС,С-Рi, СҫРeРёРj РiСҢРsРiРsРРёС,СҢСҫСҫ С...С-СҢСҫСҫРiС-С±РSPµ
РiС,СҢСҫСҫРSPSСҫ Рi Р°РРµРSPsС,РsРSP·РёР»СҫСҫСҫ-Р№ РРС-Р»СҫРSPСҫС-,
Р·Р°СҫСҫ,РsСҫСҫРiР°РSPSСҫ РsРSPР°РSPСҫРµС,СҢРsРSPСҫ РРР»Сҫ РiСҢРsС,С-Р»Р°РeС,РёРeРё
РSPСҫРРsС,Рё С,Р° Р±Р»РiР°РSPSСҫ РjРsРµРµ РjР°СҫРeСҫРiР°С,Рё РiРёРSPёРeРSPµРSPSСҫ
РeСҢРsРiРsС,РµСҫС-. РҮРsРjСҫ С,Р°РeС- С...РiРsСҢС- РiРsС,СҢРµР±СҫСҫСҫ,СҢ
СҢРµС,РµР»»СҢРSPsРiРs РSP°РiР»СҫРР РiС-СҫР»Сҫ Р·Р°СҫСҫ,РsСҫСҫРiР°РSPSСҫ
РsРSPР°РSPСҫРµС,СҢРsРSPСҫ.

Р»С-РeР°СҢСҫСҫРeРёР№ Р·Р°СҫСҫ-Р± РjС-СҫСҫ,РёС,СҢ Р°СҫРiР°СҢС,Р°Рj (Р· 951) С,Р°
РjРsРµРµ РjР°Сҫ,Рё РSPµРiР°С,РёРiРSPёР№ РiРiР»РёРi РSP° С...РiРsСҢРёС... РSP°
С,,РµРSPС-Р»РeРµС,РsРSPСҫСҫСҫ-СҢ.

РµРsРiС-РРsРjР»СҫР»РsСҫСҫ РiСҢРs РiРёРiР°РРeРё С-СҫРµРjС-С— РjС-РsРeР°СҢРРҫСҫ Сҫ
РiР°СҫС-С"РSPС,С-Рi, СҫРeС- РsС,СҢРёРjСҫРiР°Р»Р» РsРSPР°РSPСҫРµС,СҢРsРPS. Рj
РРµСҫРeРёС... РiР°СҫС-С"РSPС,С-Рi, РsСҫРsР±Р»РiРs Сҫ СҢР°Р·С-
РiРSPСҫСҫ,СҢС-СҫРSPСРiРµРSPSPsРiРs РiРiРµРРµРSPSСҫ, СҫРёРjРiС,РsРjРё
Р·РёTM СҫРiРёР»Р»РёСҫСҫ РsРРҫР°Р·Сҫ РiС-СҫР»Сҫ РiРiРµРРµРSPSСҫ
РsРSPР°РSPСҫРµС,СҢРsРSPСҫ. РµР°СҫС-С"РSPС,С-Рi СҫР»С-РР РiРsРiРµРµРµРРёС,Рё РiСҢРs
РsР·РSP°РeРё С,Р° СҫРёРjРiС,РsРjРё С-СҫРµРjС-С— РjС-РsРeР°СҢРРҫСҫ.

РҮР»С-РР РРsС,СҢРёРjСҫРiР°С,РёСҫСҫ РsР±РµРµРµРSPsСҫСҫ,С- РiСҢРё
Р·Р°СҫСҫ,РsСҫСҫРiР°РSPSС- РiРёСҫРsРeРёС... РРsР·, РsСҫРsР±Р»РiРs Сҫ РiР°СҫС-С"РSPС,С-Рi
Р· РiРµСҫС-РSPeРsРiРsСҢ С,Р° РSPёСҢРeРsРiРsСҢ РSPµРРsСҫСҫ,Р°С,РSPС-СҫСҫ,СҢ,
РiРSP°СҫР»С-РРРsРe РiС-РРiРёС%РµРSPsС— СҢРёР·Р·РeРeСҫ РeСҫРjСҫР»СҫСҫС-С— С,Р°
СҢРsР·РiРёС,РeСҫ С,РsРeСҫРёСҫРSPsСҫСҫ,С- (РjРµС,Р°Р±РsР»С-С±РSPёР№ Р°СҫРёРРsР·).

Р"С-С,Рё

Рj РРС-С,РµР№, СҫРeС- РsС,СҢРёРjСҫСҫ,СҢ РsРSPР°РSPСҫРµС,СҢРsРPS СҢР°Р·РsРj С-Р·
РiРµРiР°С,РsС,РsРeСҫРёСҫРSPёРjРё С...С-РjС-РsС,РµСҢР°РiРµРiС,РёС±РSPёРjРё
РiСҢРµРiР°СҢР°С,Р°РjРё, РiРsС,СҢС-Р±РSPs СҢРµС,РµР»»СҢРSPs СҫСҫ,РµРµРiРёС,Рё Р·Р°
РjРsРµР»Р»РiРiРjРё РiРsСҢСҫСҫСҫРµРµРSPSСҫРjРё С,,СҫРSPeСҫС-С— РiРµСҫС-РSPeРё.

РҫСҫРРsС,Р° С,Р° Р±Р»РiР°РSPSСҫ, РiРёРeР»Р»РeРeРSPС- С...С-РjС-РsС,РµСҢРаРiС-С"СҢ

РµСҢРё РeСҢР·РҫСҫ...СҫРSPeСҫ РРsР·Рё Р·РiС-РРSPs Р· РjР°СҫРsСҢ С,С-Р»Р°С-

P·P°CÍ'C,PsCÍ'CfPIP°PSPSC- C,CḡCHbPsC... PrPsP· C-P· 4-PiPsPrPëPSPSPëPj
C-PSC,PμCḡPIP°P»PsPj P·P°PiP°P»CHbPSP° PrPsP±PsPIP° PrPsP·P° P±CfPrPμ PIPëC%PsCḡ,
PSC-Pḡ PīCḡPë P·P°CÍ'C,PsCÍ'CfPIP°PSPSC- PsPrPSC-C"C— PrPsP·Pë 5 PjPi/Pj² C- PsPrPSC-C"C—
PrPsP·Pë PīCḡPμPīP°CḡP°C,Cf PīPμCḡPsCḡP°P»CHbPSPs. PμPsCḡC-PIPSCIIP»CHbPSP°
PμC,,PμPeC,PëPIPSC-CÍ'C,CH C†PëC... PrPIPsC... CḡPμPḡPëPjC-PI PrPsP·CfPIP°PSPSCI PSpμ
P±CfP»P° PsC†C-PSPμPSP° Cf PeP»C-PSC-C†PSPëC... PrPsCÍ'P»C-PrPḡPμPSPSCI C....
PμPsCḡC-PIPSCIIPSPSCI CḡPμP·CfP»CHbC,P°C,C-PI CḡC-P·PSPëC... PrPsCÍ'P»C-PrPḡPμPSCH
CÍ'PIC-PrC†PëC,CH PīCḡPs PīPsPrC-P±PSCf PμC,,PμPeC,PëPIPSC-CÍ'C,CH PsP±PsC...
CḡPμPḡPëPjC-PI PrPsP·CfPIP°PSPSCI.

*P—P°CÍ'C,PsCÍ'CzPIP°PSPSCI Cz PīPμCḡC-PsPr PIP°PiC-C,PSPsCÍ'C,C- P°P±Ps
PiPsPrCzPIP°PSPSCI PiCḡCzPrPrCḡ.*

P-C-PSPePë PrC-C,PsCḡPsPrPSPsPiPs PIC-PeCz

Pj CḡP°P·C- P·P°CÍ'C,PsCÍ'CfPIP°PSPSCI PsPSPrP°PSCÍ'PμC,CḡPsPSCf PḡC-PSPeP°Pj
PrC-C,PsCḡPsPrPSPsPiPs PIC-PeCf CÍ'P»C-Pr CḡPsP·PiP»C†PSCfC,Pë PīPëC,P°PSPSCI PīCḡPs
PePsPSC,CḡP°C†PμPīC†C-Cḡ.

P'P°PiC-C,PSC-CÍ'C,CH

P—P° PrP°PSPëPjPë PīCḡPsPIPμPrPμPSPëC... PμPīC-PrPμPjC-PsP»PsPiC-C†PSPëC...
PrPsCÍ'P»C-PrPḡPμPSCH, PsPSPrP°PSCÍ'PμC,CḡPsPS PjPsPḡPμ CÍ'PīCḡPëC†PëPSCI C,Pë
PIP°PrPë C%PμP»PμPīPSPs-P»PëC†CHbPsPiPsC— PrC-P»C†PSPePë PīCḡPë
P·P°CÍ'C,PsCÍ'CfPIP°PSPSC- PīCḡPsC,C†PiPsPj P† C,CḡPëPjPμCÍ'C,CḡCf PIP°PiC-C,PSPsCÍ'C,C-.
P' PsPrPSPsPjCf P· PePsPiPsCḡC,PSPëC... PrPsCÍ'P»C-PrPḡPμPSCH, C%Ps PīPeP»CHC†P°P»Ps
1,8 PjC-P»CHbPμPsPSP° PIP°PiC-C,PSPsCÍ'C,PμPμ, P·P°CÍ'C,PsCÍ'CfPIP°PSPSCI
PsPSPrP°PSCÍ'PμC,CḡPsPSCf Cf P† C,CḡPëPjPμCÍ'C,CḡC- P±CfP»Ps PīPsPībḡ™ C†P·P°PSPs P·
PīC-PrPIPëC%PμPSPëPj CḡPëP·PëPePsPj CḡPsP·C%PμPīP»PμPSPSCI PīC-PrPSPμP±C-PSPSCI
[3 PrPsPrP°C,PePsPIC- PIPëPīP°PrPePë PSP° 10000 PḡC-PSPsPe, C†PeC- PsC,CḡPëPjCfPIP°P»Pë
PsPSPrP°PSCÍ'PμC,CḡPsPS; CÍ'PePsCḡPëPiPsPIP°PSPëPμ PIC-PrPSPsCÍ'PSPëPμ CḡPëP·PëPe:
1,24 (95 % P"P† (PrPsPIC-CḡC†PëPμ C-PSC,PμCḡPIP°P») 1,03ḡḡ"1,48)].
P·PīC-PrPμPjC-PsP»PsPiC-C†PSC- PrPsCÍ'P»C-PrPḡPμPSPSCI CÍ'PμCḡC†PμPIPëC... PIP°Pr
PīPsPeP°P·CfCḡC,CH CÍ'CfPīPμCḡPμC†P»PëPIC- CḡPμP·CfP»CHbC,P°C,Pë.
P"PsCÍ'P»C-PrPḡPμPSPSCI PSP° C,PIP°CḡPëPSP°C... PSPμ PIPëC†PIPëP»Pë
CḡPμPīCḡPsPrCfPeC,PëPIPSPsC— C,PsPeCÍ'PëC†PSPsCÍ'C,C-. PhPSPrP°PSCÍ'PμC,CḡPsPS PSPμ
CÍ'P»C-Pr P·P°CÍ'C,PsCÍ'PsPICfPIP°C,Pë PīCḡPsC,C†PiPsPj P† C,CḡPëPjPμCÍ'C,CḡCf
PIP°PiC-C,PSPsCÍ'C,C-.

PμPμCḡC-PsPr PiPsPrCzPIP°PSPSCI PiCḡCzPrPrCḡ

P' PμPeCÍ'PīPμCḡPëPjPμPSC,P°P»CHbPSPëC... PrPsCÍ'P»C-PrPḡPμPSPSCI C... P±CfP»Ps
PīPsPeP°P·P°PSPs, C%Ps PsPSPrP°PSCÍ'PμC,CḡPsPS PīCḡPsPSPëPeP°C" Cf PīCḡCfPrPSPμ
PjPsP»PsPePs C,PIP°CḡPëPS. Pj CḡP°P·C- PSPμPsP±C...C-PrPSPsCÍ'C,C-
P·P°CÍ'C,PsCÍ'CfPIP°PSPSCI P»C-PeP°CḡC†CHbPePsPiPs P·P°CÍ'PsP±Cf CÍ'P»C-Pr
PīCḡPëPīPëPSPëC,Pë PīPsPrCfPIP°PSPSCI PīCḡCfPrPrCḡ.

PμPμCḡC,PëP»CHbPSC-CÍ'C,CH

PkPμPjP°C" C-PSC,,PsCḡPjP°C†C-C— C%PsPrPs PIPīP»PëPICf PsPSPrP°PSCÍ'PμC,CḡPsPSCf PSP°

С„РµСђС,РёР»СђРSC-СђС,Сђ.

*P—PrP°C,PSC-СђС,Сђ PIPiP»PёPIP°C,Pё PSP° CёPIPёPrPёC-СђС,Сђ СђPµP°PёC†C-C— PиСђPё
PёPµСђСзPIP°PSPSC- P°PIC,PсC,СђP°PSC†PиPсСђС,PсPj P°P±Ps C-PSCёPёPjPё
PjPµC...P°PSC-P·PjP°PjPё.*

РµСђPёC...PsPjPsC,PсСђPSC- C,РµСђС,Рё PиPsPёP°P·P°P»Pё, C%Ps PsPSPPrP°PSC†PµC,СђPsPS
PSPµ PIPiP»PёPIP°C” PSP° P·PrP°C,PSC-СђС,Сђ PёPµСђСзPIP°C,Pё PjPµC...P°PSC-P·PjP°PjPё C-
PSPµ C†PёPSPёC,Сђ СђPµPrP°C,PёPIPSPсC— PrC-C—.

PŸPиPsСђС-P± P·P°СђС,PсСђСзPIP°PSPSCи C,P° PrPsP·Pё.

PŸP°P±P»PµC,PёPё СђP»C-Pr P·P°СђС,PсСђPsPIC†PIP°C,Pё PsPrСђP°P·C† PиC-СђP»Cи
PIPёP»C†C†PµPSPSCи P· C†PиP°PёPsPIPёPё.

РµPsPjC-СђС,РёC,Pё C,P°P±P»PµC,PёC† PSP° CиP·PёPё PrPs PиPsPIPSPсPiPs
СђPsP·PиP°PrP°PSPSCи. PŸP°P±P»PµC,PёC† СђP»C-Pr P±СђP°C,Pё СђС†C...PёPjPё
СђС†PёP°PjPё.

*PкCзPrPsC,P° C- P±P»СђPIP°PSPSCи, СђPиСђPёC±PёPSPµPSC- C...C-PjC-PсC,PµСђP°PиC-C”Сђ
C,P° PиСђPsPjPµPSPµPIPсСђ C,PµСђP°PиC-C”Сђ*

P”PsСђPsСђP»C-

P·PjPµC,PсPiPµPSPSPёPNё PиPsC,PµPSC†C-P°P» C,PµСђP°PиC-C— СђP°PёC† PIP°СђС-СђC”
P·P°P»PµP¶PSPс PIC-Pr PrPsP·Pё C- PёPsPjP±C-PSP°C†C-C— СђPµP¶PёPjC-PI
C...C-PjC-PсC,PµСђP°PиC-C— C,P° PиСђPsPjPµPSPµPIPсC— C,PµСђP°PиC-C—. P’PёP±C-Сђ
СђPµP¶PёPjC† PrPsP·C†PIP°PSPSCи P·P°P»PµP¶PёC,Сђ PIC-Pr C,CиP¶PёPsСђС,C-
PµPjPµC,PсPiPµPSPSPсPiPs PIPiP»PёPIC†.

P·PjPµC,PсPiPµPSPSP° C...C-PjC-PсC,PµСђP°PиC-Cи C,P° PиСђPsPjPµPSPµPIP° C,PµСђP°PиC-Cи

P”PsP·C† 8 PjPi PиСђPёPNёPjP°СђC,Сђ P·P° 1бђ”2 PиPsPrPёPSPё PrPs
C...C-PjC-PсC,PµСђP°PиC-C— P°P±Ps PиСђPsPjPµPSPµPIPсC— C,PµСђP°PиC-C—, PиPsC,C-Pj
PrPsP·C† 8 PjPi PиСђPёPNёPjP°СђC,Сђ PёPsP¶PSC- 12 PиPsPrPёPS PиСђPsC,CиPiPsPj
PjP°PёC†PёPjC†Pj 5 PrPSC-PI PrP»Cи PиСђPsC,,C-P»P°PёC,PёPёPё PIC-PrСђС,СђPsC†PµPSPсPiPs
P°P±Ps C,СђPёPIP°P»PsPiPs P±P»СђPIP°PSPSCи.

*P’PёC†PsPёPsPµPjPµC,PсPiPµPSPSP° C...C-PjC-PсC,PµСђP°PиC-Cи (PSP°PиСђPёPёP»P°Pr,
PIPёC†PsPёC- PrPsP·Pё C†PёC†PиP»P°C,PёPSCз):* СђP»C-Pr P·P°СђС,PсСђPsPIC†PIP°C,Pё
PиСђPµPиP°СђP°C, C† PIPёPiP»CиPrC- PsPrPSPсСђP°P·PsPIPсC— PrPsP·Pё PrPs 24 PjPi
PsPSPPrP°PSC†PµC,СђPsPSC† P· 12 PjPi PrPµPёC†P°PjPµC,P°P·PsPSC† PSP°C,СђC-Сђ
C,,PsСђС,,P°C,C† PиPµСђPsСђP°P»СђPSPс, P·P° 1бђ”2 PиPsPrPёPSPё PrPs
C...C-PjC-PсC,PµСђP°PиC-C—.

P”P»Cи PиСђPsC,,C-P»P°PёC,PёPёPё PIC-PrСђС,СђPsC†PµPSPсPiPs P°P±Ps C,СђPёPIP°P»PsPiPs
P±P»СђPIP°PSPSCи PиC-СђP»Cи PиPµСђCёPёC... 24 PиPsPrPёPS
СђPµPёPsPjPµPSPPrC†C,СђС†Cи PиPµСђPsСђP°P»СђPSPµ P·P°СђС,PсСђC†PIP°PSPSCи
PиСђPµPиP°СђP°C,C† PиСђPsC,CиPiPsPj PjP°PёC†PёPjC†Pj 5 PrPSC-PI PиC-СђP»Cи PёC†СђС†C†

$P \gg C - PeCfPIP^{\circ}PSPSCfI$.

$P \cdot P_{\mu}PePsPjP_{\mu}PSPPrPsPIP^{\circ}PSP^{\circ} PrPsP \cdot P^{\circ} PrP \gg CfI \Pi P_{\mu}CfPsCfP^{\circ}P \gg CHbPSPsPiPs$
 $P \cdot P^{\circ}CfC, PsCfCfPIP^{\circ}PSPSCfI CfC, P^{\circ}PSPsPIP^{\circ}C, CHb 8 PjPi 2 CfP^{\circ}P \cdot P^{\circ}PSP^{\circ} PrPsP \pm Cf.$

$P''C - C, P^{\circ}$

$P PsP \cdot CfP^{\circ}C \dots C^{\circ}PSPsPe PrPsP \cdot P^{\circ} PrP \gg CfI PrC - C, P_{\mu}PN_{\circ} PIC - PePsPj PIC - Pr 6 PjC - CfCfCfC - PI$
 $C, P^{\circ} PiC - PrP \gg C - C, PeC - PI PIC - PePsPj PrPs 17 CfPsPeC - PI$

$P''PsP \cdot Cf \Pi CfP_{\mu}PiP^{\circ}CfP^{\circ}C, Cf PjPsP \Pi PSP^{\circ} CfPsP \cdot CfP^{\circ}C \dots CfPIP^{\circ}C, P^{\circ} P \cdot P^{\circ} PiP \gg PsC^{\circ}P_{\mu}Cf$
 $PiPsPIP_{\mu}CfC \dots PSC - C, C - P \gg P^{\circ} P^{\circ} P \pm Ps P \cdot P^{\circ} PjP^{\circ}CfPsCf C, C - P \gg P^{\circ} PrP^{\circ}C, P^{\circ}PSP^{\circ}. P \Pi PeC^{\circ}Ps$
 $PrPsP \cdot Cf CfPsP \cdot CfP^{\circ}C \dots PsPICfCfC, CHb P \cdot P^{\circ} PjP^{\circ}CfPsCf C, C - P \gg P^{\circ}, P \cdot P^{\circ}PiP^{\circ}P \gg CHbPSP^{\circ}$
 $PrPsP \pm PsPIP^{\circ} PrPsP \cdot P^{\circ} PIP^{\circ}C^{\circ}P^{\circ} PiPsCfC - PIPSCfIPSPs P \cdot PrPsP \cdot CfPIP^{\circ}PSPSCfI Pj P \cdot P^{\circ}$
 $PiP \gg PsC^{\circ}P_{\mu}Cf PiPsPIP_{\mu}CfC \dots PSC - C, C - P \gg P^{\circ}.$

$P PsP \cdot CfP^{\circ}C \dots C^{\circ}PSPsPe PrPsP \cdot P^{\circ} P \cdot PiC - PrPSPs P \cdot PiP \gg PsC^{\circ}P_{\mu}Cf PiPsPIP_{\mu}CfC \dots PSC - C, C - P \gg P^{\circ}$
 $PrP^{\circ}C, P^{\circ}PSP^{\circ}$

$PhPSPPrP^{\circ}PSCfP_{\mu}C, CfPsPS CfP \gg C - Pr PIPiPsPrP^{\circ}C, P^{\circ} P \pm P_{\mu}P \cdot PiPsCfP_{\mu}CfP_{\mu}PrPSCfPs$
 $PiP_{\mu}CfP_{\mu}Pr C \dots C - PjC - PsC, P_{\mu}CfP^{\circ}PiC - C''Cf C \notin P \gg CfI C \dots PsPj PsPrPSPsCfP^{\circ}P \cdot PsPiPsC -$
 $PIPSCfC, CfC - C \notin PSCHbPsPiP_{\mu}PSPSPsC - C - PSb_{\text{TM}} C''PeCfC - C - Cf PrPsP \cdot C - 5 PjPi/Pj^2,$
 $PIPSCfC, CfC - C \notin PSCHbPsPiP_{\mu}PSPSP^{\circ} PrPsP \cdot P^{\circ} PSP_{\mu} PjP^{\circ}C'' PiP_{\mu}CfP_{\mu}PiP^{\circ}C^{\circ}CfPIP^{\circ}C, P^{\circ} 8 PjPi.$
 $PSP_{\mu}CfP_{\mu}P \cdot 12 PiPsPrP^{\circ}PS PjPsP \Pi PSP^{\circ} CfPsP \cdot PiPsC \pm P^{\circ}PSP^{\circ}C, P^{\circ} PiP_{\mu}CfPsCfP^{\circ}P \gg CHbPSP_{\mu}$
 $P \cdot P^{\circ}CfC, PsCfCfPIP^{\circ}PSPSCfI PiCfP_{\mu}PiP^{\circ}CfP^{\circ}C, Cf, CfPeP_{\mu} PjPsP \Pi P_{\mu} C, CfP^{\circ}PiP^{\circ}C, P^{\circ} C^{\circ}P_{\mu} 5$
 $PrPSC - PI (PrP^{\circ}PI. C, P^{\circ}P \pm P \gg PeCfCf 1). P - P^{\circ}PiP^{\circ}P \gg CHbPSP^{\circ} PrPsP \pm PsPIP^{\circ} PrPsP \cdot P^{\circ}$
 $(CfPsP \cdot PiPsPrC - P \gg P_{\mu}PSP^{\circ} PSP^{\circ} PiCfP^{\circ}PN_{\circ}PsPjP^{\circ}) PSP_{\mu} PiPsPiP^{\circ}PSPSP^{\circ}$
 $PiP_{\mu}CfP_{\mu}PiP^{\circ}C^{\circ}CfPIP^{\circ}C, P^{\circ} PrPsP \cdot Cf PrP \gg CfI PrPsCfPsCfP \gg PeC \dots 32 PjPi.$

$P^{\circ}P^{\circ}P \pm P \gg PeCfCfI 1$

$P PsP \cdot CfP^{\circ}C \dots CfPSPsPe PrPsP \cdot P^{\circ} P \cdot PiC - PrPSPs P \cdot PiP \gg PsC^{\circ}P_{\mu}Cf PiPsPIP_{\mu}CfC \dots PSC - C, C - P \gg P^{\circ}$
 $PrP \gg CfI PrC - C, P_{\mu}PN_{\circ} PIC - PePsPj PIC - Pr 6 PjC - CfCfCfC - PI C, P^{\circ} PiC - PrP \gg C - C, PeC - PI$

$P_{\mu}P \gg PsC^{\circ}P^{\circ} C, C - P \gg P^{\circ}$ $PrP^{\circ}C, P^{\circ}PSP^{\circ}$	$P''P_{\mu}PSCf 1^{(P^{\circ}, P^{\pm})}$	$P''P_{\mu}PSCf 2b_{\text{TM}} 6^{(P^{\pm})}$
$< 0,6 Pj^2$	$0,5 PjPi/Pj^2$ $PIPSCfC, CfC - C \notin PSCHbPsPiP_{\mu}PSPSPs$ $CfP^{\circ}CfPsPi^* Cf PrPsP \cdot C - 2 PjPi$ $C \pm P_{\mu}CfP_{\mu}P \cdot 12 PiPsPrP^{\circ}PS$	$P^{\circ}P^{\circ}CfPsPi^* Cf PrPsP \cdot C - 2$ $PjPi PePsP \Pi PSC - 12$ $PiPsPrP^{\circ}PS$
$\geq 0,6 Pj^2 PrPs \leq 1,2 Pj^2$	$5 PjPi/Pj^2$ $PIPSCfC, CfC - C \notin PSCHbPsPiP_{\mu}PSPSPs$ $C, P^{\circ}P \pm P \gg P_{\mu}C, PeP^{\circ} Cf PrPsP \cdot C - 4 PjPi$ $C \pm P_{\mu}CfP_{\mu}P \cdot 12 PiPsPrP^{\circ}PS$	$C, P^{\circ}P \pm P \gg P_{\mu}C, PeP^{\circ} Cf$ $PrPsP \cdot C - 4 PjPi PePsP \Pi PSC -$ $12 PiPsPrP^{\circ}PS$
$> 1,2 Pj^2$	$5 PjPi/Pj^2 P^{\circ}P \pm Ps 8 PjPi$ $PIPSCfC, CfC - C \notin PSCHbPsPiP_{\mu}PSPSPs$ $C, P^{\circ}P \pm P \gg P_{\mu}C, PeP^{\circ} Cf PrPsP \cdot C - 8 PjPi$ $C \pm P_{\mu}CfP_{\mu}P \cdot 12 PiPsPrP^{\circ}PS$	$C, P^{\circ}P \pm P \gg P_{\mu}C, PeP^{\circ} Cf$ $PrPsP \cdot C - 8 PjPi PePsP \Pi PSC -$ $12 PiPsPrP^{\circ}PS$

* $P - P^{\circ}CfC, PsCfPsPICfC''C, CHbCfCfI C - PSC \notin P^{\circ}PN_{\circ} P \gg C - PeP^{\circ}CfCfCHbPeP^{\circ}PN_{\circ} P \cdot P^{\circ}CfC - P \pm,$
 $C^{\circ}Ps PjC - CfC, P^{\circ}C, CHb PsPSPPrP^{\circ}PSCfP_{\mu}C, CfPsPS Cf PIP^{\circ}PiP \gg CfI PrC - CfP^{\circ}CfPsPiCf.$

P±. P—P°PiP°P»CHbPSP° PrPsP±PsPIP° PrPsP·P° PSPµ PîPsPIPëPSPSP°
PîPuCHPuPIPëC%CrPIP°C,Pë PrPsP·Cr PrP»CII PrPsCHPsCÍP»PëC... 32 PjPi.

$$PuP^{\circ}C\uparrow C-C''PSC,PeP\cdot PSP\ddot{e}C\uparrow PePsPIPsC\uparrow PSP\mu PrPsC\uparrow C,P^{\circ}C,PSC-C\uparrow C,C\uparrow$$

$P\ddot{Y}P_{\mu}C\ddot{H}P_{\mu}P_{\tau}$ $P\dot{C}\ddot{H}PsC\ddot{I}P\dot{I}C-PI$ $P\dot{P}_{\mu}C\ddot{H}P_{\mu}P_{\tau}PsP\cdot C\acute{r}PIP^{\circ}PSPSC\ddot{I}$ $P\dot{P}sPIC-P\tau PsPjP\gg C\ddot{I}P\gg PsC\acute{I}C\dot{H}$
 $P\dot{C}\ddot{H}Ps$ $C,P^{\circ}PeC-$, $C\ddot{I}Pe$ $P\cdot PsC\ddot{H}PsPIC-$ $C\ddot{H}PsP\cdot P\gg P^{\circ}P\tau P\ddot{e}$, $P\cdot P^{\circ}P\dot{P}sC\ddot{H}$ $C,C\ddot{I}P\P PePsP\dot{P}s$
 $C\acute{I}C,C\acute{r}P\dot{P}_{\mu}PSC\ddot{I}$, $P\dot{C}-P\dot{P}sC$, $P_{\mu}PSP\cdot C-C\ddot{I}$, $PIP^{\circ}P\cdot PsPIP^{\circ}P\dot{P}^{\circ}P\gg C\dot{H}PSC-$ $P\dot{C}\ddot{H}PsC\ddot{I}PIP\ddot{e}$ $C-P\cdot$
 $C,C\ddot{H}P^{\circ}PSP\cdot P\ddot{e}C$, $PsC\ddot{H}PSPsC\ddot{H}$ $P^{\circ}C,C\ddot{H}C-PsPIP_{\mu}PSC,C\ddot{H}P\ddot{e}PeC\acute{r}P\gg C\ddot{I}C\ddot{H}PSPsC\ddot{H}$
 $P\pm P\gg PsPeP^{\circ}P\tau PsC\ddot{H}$ $P\ddagger P\ddagger$ $C\acute{I}C,C\acute{r}P\dot{P}_{\mu}PSC\ddot{I}$.

PhPSPPrP°PSCÍPµC,ChPsPS PíPsPrPsPIP¶CfC” C-PSC,PµChPIP°P» QT P·P°P»PµP¶PSPs PIC-Pr
PrPsP·Pë. Pj ChP°P·C- PíPµChPµPrPsP·CfPIP°PSPSCÍ ChPµPePsPjPµPSPPrCfC”C,ChCÍCÍ
PíChPsPIPµPrPµPSPSCÍ P·PµP”-PjPsPSC-C,PScHjPëPSPiCf.

P”C-C,Pë

PµPsPIC-PrPsPjP»CÍP»PScÍCÍ PíChPs PIPëPíP°PrPePë CÍPµChPsC,PSPSC-PSPsPIPsPiPs
CÍPëPSPPrChPsPjCf Cí PrC-C,PµPNë PíC-CÍP»CÍ PSPµPSP°PIPjPëCÍPSPsPiPs
PíPµChPµPrPsP·CfPIP°PSPSCÍ PsPSPPrP°PSCÍPµC,ChPsPSCf PíPµChPsChP°P»ChPSPs
(PíPµChPµPIPëC%PëP»P° ChPsP·ChP°C...CfPSPePsPICf PrPsP·Cf 4 PjPi/PePi) Cí
PSPµPjPsPIP»CÍC, C,P° PrC-C,PµPNë PIC-PePsPj PIC-Pr 12 PjC-CÍCÍC†C-PI PrPs 2 ChPsPeC-PI.

P>C-PeCfPIP°PSPSCÍ

PŸPíPµC†PëC,,C-C†PSPsPiPs P°PSC,PëPrPsC,Cf PSPµ C-CÍPSCfC”, C,PSPjCf Cí
PIPëPíP°PrPeP°C... PíPµChPµPrPsP·CfPIP°PSPSCÍ PSPµPsP±C...C-PrPSPs
P·P°CÍC,PScÍPsPICfPIP°C,Pë CÍPëPjPíC,PSPjP°C,PëC†PSCf C,P°
PíC-PrC,ChPëPjCfPIP°P»ChPSCf C,PµChP°PíC-Ch.

P—P°CÍC,PScÍCfPIP°PSPSCÍ C-PíPµPeP°PeCfP°PSPë PrP»CÍ P>C-PeCfPIP°PSPSCÍ
PíPµChPµPrPsP·CfPIP°PSPSCÍ PsPSPPrP°PSCÍPµC,ChPsPSCf PSPµ
ChPµPePsPjPµPSPPrCfC”C,ChCÍCÍ, PsCÍPeC-P»ChPePë C—C— PrC-CÍ PSPµ PjPsP¶Pµ
PIPëCÍPIPëC,PëCÍCÍ C†PµChPµP· P°PSC,PëPµPjPµC,PëC†PSPëPNë PIPíP»PëPI
PsPSPPrP°PSCÍPµC,ChPsPSCf.

PµPsP±C-C†PSC- ChPµP°PeC†C-C—.

PµPsP±C-C†PSC- ChPµP°PeC†C-C—, PSP°PIPµPrPµPSC- PSPëP¶C†Pµ,
PeP»P°CÍPëC,,C-PePsPIP°PSC- P·P° PsChPiP°PSP°PjPë C- CÍPëCÍC,PµPjP°PjPë C,P° P·P°
C†P°CÍC,PSc,PScH PIPëPSPëPePSPµPSPSCÍ. P—P° C†P°CÍC,PSc,PScH PIPëPSPëPePSPµPSPSCÍ
PíPsP±C-C†PSC- ChPµP°PeC†C-C— ChPsP·PíPsPrC-P»PµPSPs PSP° C,P°PeC-
PeP°C,PµPiPsChC-C—: PrCfP¶Pµ C†P°CÍC,Ps (≥1/10), C†P°CÍC,Ps (≥1/100 C,P° <1/10),
PSPµC†P°CÍC,Ps (≥1/1000 C,P° <1/100), ChC-PrPePs (≥1/10000 C,P° <1/1000), PrCfP¶Pµ
ChC-PrPePs (<1/10000). P”CfP¶Pµ C†P°CÍC,C-, C†P°CÍC,C- C,P° PSPµC†P°CÍC,C-
PíPsP±C-C†PSC- ChPµP°PeC†C-C— P±CfP»Pë P·P°PíP°P»PsPj PIPëCÍPIP»PµPSC- Cí
PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PµPSPSCÍC.... P C-PrPeC- C,P° PrCfP¶Pµ ChC-PrPeC-
PíPsP±C-C†PSC- ChPµP°PeC†C-C— PI PsCÍPSPsPIPsPjCf P±CfP»Pë PIPëCÍPIP»PµPSC- Cí
PíC-CÍP»CÍChPµC”CÍC,ChP°C†C-PNëPSPëPNë PíPµChC-PsPr.

PµChPsC,,C-P»Ch PíPsP±C-C†PSPëC... ChPµP°PeC†C-PNë Cí PrC-C,PµPNë C,P°
PíC-PrP»C-C,PeC-PI P±CfPI C,P°PePëPj P¶Pµ, CÍPe C- Cí PrPsChPsCÍP»PëC....

P— P±PsPeCž C-PjCžPSPSPsC— CÍPëCÍC,PµPjPë: ChC-PrPePs bH” ChPµP°PeC†C-C—
PíC-PrPIPëC%PµPSPsC— C†CfC,P»PëPIPsCÍC,C- PSPµPiP°PNëPSPsPiPs C,PëPíCf, C-PSPePsP»Pë
C,CÍP¶PeC-, P°P¶ PrPs P°PSP°C,,C-P»P°PeCÍC-C—.

P— P±PsPeCž PSPµChPIPsPIPsC— CÍPëCÍC,PµPjPë: PrCfP¶Pµ C†P°CÍC,Ps bH”
PíPsP»PsPIPsPëPNë P±C-P»Ch; PSPµC†P°CÍC,Ps bH” CÍCfPrPsPjPë, ChCfC...PsPIC-
PíPsChCfC€PµPSPSCÍ (PIPeP»ChC†P°ChC†Pë PµPeCÍC,ChP°PíC-ChP°PjC-PrPSC-

P—P±PμCḡC–PiP°C,Pë PïCḡPë C,PμPjPïPμCḡP°C,ĆCḡC– PSPμ PIPëC‰Pμ 30 B°PŸ PI
PsCḡPëPiC–PSP°P»CḤPSC–PN̄ ĆPïP°PePsPIC†C–.

P—P±PμCḡC–PiP°C,Pë Ć PSPμPrPsĆC,ĆPïPSPsPjĆ PrP»Cḡ PrC–C,PμPN̄ PjC–ĆC†C–.

PJPI°PePsPIPeP°.

PμPs 10 C,P°P±P»PμC,PsPe Ć P±P»C–ĆC,PμCḡC–, PïPs 1 P±P»C–ĆC,PμCḡĆ PI
PeP°CḡC,PsPSPSC–PN̄ ĆPïP°PePsPIC†C–.

PḡP°C,PμPiPsCḡC–Cḡ PIC–PrPïĆĆPeĆ.

P—P° CḡPμC†PμPïC,PsPj.

P’PëCḡPsP±PSPëPe.

PḡP°PSPeP°PN̄PSPḡ PᄌP°CḡPjP° P>C–PjC–C,PμPr, P®PSC–C,-II.

**PḡC–ĆC†PμP•PSP°C...PsPrPḡPμPSPSCḡ PIPëCḡPsP±PSPëPeP° C,P° P°PrCḡPμĆP°
PjC–ĆC†Cḡ PïCḡPsPIP°PrPḡPμPSPSCḡ PN̄PsPiPs PrC–CḡP»CḤPSPsĆC,C–.**

P’C–P»PμPrPḡ PḡC–C€P°PSPiĆCḡP°, Pμ.Pḡ. P”PḡP°PjPSC–PIP°P»P°, PŸPμC...ĆC–P»
PμP°PsPSC,P° PŸP°C...C–P±, P”C–ĆC,CḡC–PeC, PŸC–CḡPjPsĆCḡ 173025, PḡC–PjP°C‡P°P»
PμCḡP°PrPμC€, P†PSPPrC–Cḡ.

P—P°CḡPIIPSPëPe.

PḡPḡP PᄌPḡP PḡPḡ PᄌP—P>P>PŸ

AAR PHARMA FZ-LLC

PḡC–ĆC†PμP•PSP°C...PsPrPḡPμPSPSCḡ P•P°CḡPIIPSPëPeP°.

PμCḡPëPjC–C‰PμPSPSCḡ 702, 7-PN̄ PïPsPIPμCḡC..., P’ĆPrC–PIP»Cḡ: P”C–P•ĆPŸC–
PŸP°ĆPμCḡ, Pï/Ć вḡ“ 478837, P”ĆP±P°PN̄, PḡP±вḡ™C”PrPSP°PSC– PḡCḡP°P±ĆCḤPeC–
P•PjC–CḡP°C,Pë.

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