

$$\begin{array}{c} \mathbf{P\Gamma P}\gg\mathbf{C\Omega}\ \mathbf{PjP\mu P\Gamma P\check{e}C\ddagger P\check{S}P\check{s}P\check{i}P\check{s}}\ \mathbf{P\cdot P^{\circ}C\acute{I}C,P\check{s}C\acute{I}C\acute{r}P\check{I}P^{\circ}P\check{S}P\check{S}C\Omega}\ \mathbf{P}\gg\mathbf{C-PeP^{\circ}C\check{H}C\acute{I}C\check{H}P\check{e}P\check{s}P\check{i}P\check{s}} \\ \mathbf{P\cdot P^{\circ}C\acute{I}P\check{s}P\pm C\acute{r}} \end{array}$$

(Nootropil^{B®})

$$\begin{aligned} & \text{P}\ddot{\text{U}}\text{C}-\text{C}\ddot{\text{H}}\text{P}^{\circ}\text{C}\ddagger\text{P}\ddot{\text{U}}\text{C}, \text{P}^{\circ}\text{P}\ddot{\text{J}} \text{C}'' \text{PSPsPsC}, \text{C}\ddot{\text{H}}\text{PsP}\ddot{\text{I}}\text{PSP}\ddot{\text{P}}\ddot{\text{J}} \text{P}\cdot\text{P}^{\circ}\text{C}\ddagger\text{PsP}\pm\text{PsP}\ddot{\text{J}}, \text{C}, \text{PsP}\pm\text{C}, \text{Ps} \\ & \text{P}\ddot{\text{I}}\text{C}\ddagger\text{P}\ddot{\text{E}}\text{C}\dots\text{PsC}, \text{C}\ddot{\text{H}}\text{PsP}\ddot{\text{I}}\text{PSP}\ddot{\text{P}}\ddot{\text{J}} \text{P}\ddot{\text{I}}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{U}}\text{P}\ddot{\text{I}}\text{P}^{\circ}\text{C}\ddot{\text{H}}\text{P}^{\circ}\text{C}, \text{PsP}\ddot{\text{J}}, \text{C}\%_{\text{O}}\text{Ps} \text{P}\pm\text{P}\ddot{\text{U}}\text{P}\cdot\text{P}\ddot{\text{I}}\text{PsC}\ddagger\text{P}\ddot{\text{U}}\text{C}\ddot{\text{H}}\text{P}\ddot{\text{U}}\text{P}\ddot{\text{r}}\text{PSC}\ddot{\text{H}}\text{Ps} \end{aligned}$$

PjPμPjP±CḡP°PSPë, CḡPeC- PIPëPePsCḡPëCḡC,PsPICḡCḡC,CHCḡCḡ PīCḡPë
PiPμPjPsPrC-P°P»C-P·C-. PḡC-CḡP°CḡPμC,P°Pj PSP°PePsPīPëCḡCḡC”C,CHCḡCḡ PI
C,PeP°PSPëPSP°C... PePsCḡPë PiPsP»PsPIPSPsPiPs PjPsP·PeCḡ, PīPμCḡPμPIP°PḡPSPs PI
P»PsP±PSPëC..., C,C-Pjḡḡ™ CḡPSPëC... C,P° PīPsC,PëP»PëCḡPSPëC... P·PsPSP°C...,
PjPsP·PsCḡPeCḡ C- P±P°P·P°P»CHPSPëC... PiP°PSPiP»C-CḡC....

P’C-PsC,CḡP°PSCḡC,PsCḡPjP°CḡC-Cḡ

PḡC-CḡP°CḡPμC,P°Pj C” P°PeC,PëPIPSPëPj Cḡ PSPμP·PjC-PSPμPSPsPjCḡ PIPëPiP»CḡPrC- C,P°
PSPμ PjPμC,P°P±PsP»C-P·CḡC”C,CHCḡCḡ Cḡ C,PIP°CḡPëPS.

P’PëPIPμPrPμPSPSCḡ

PḡPμCḡC-PsPr PSP°PīC-PIPIPëPIPμPrPμPSPSCḡ PīCḡPμPīP°CḡP°C,Cḡ P· PeCḡPsPIC-
CḡC,P°PSPsPIPëC,CH 4ḡḡ”5 PiPsPrPëPS C- 6ḡḡ”8 PiPsPrPëPS ḡḡ” P·C-
CḡPīPëPSPSPsPjPsP·PePsPIPsC— CḡC-PrPëPSPë. PīPμPNḡ PīPμCḡC-PsPr PjPsPḡPμ
PīPsPrPsPIPḡCḡPIP°C,PëCḡCḡ PīCḡPë PSPëCḡPePsPIC-PNḡ PSPμPrPsCḡC,P°C,PSPsCḡC,C-.
PḡC-CḡP°CḡPμC,P°Pj PIPëPIPsPrPëC,CHCḡCḡ PSPëCḡPeP°PjPë. P’PëPIPsPrPëC,CHCḡCḡ C-P·
CḡPμCḡPμCḡ PīCḡP°PeC,PëCḡPSPs PīPsPIPsC-CḡC,Cḡ (PīPsPSP°Pr 95 %) CḡPμCḡPμP· 30
PiPsPrPëPS. PḡPëCḡPePsPIPëPNḡ PeP»C-CḡPμPSCḡ PīC-CḡP°CḡPμC,P°PjCḡ Cḡ P·PrPsCḡPsPIPëC...
PrPsP±CḡPsPIPsP»CHCḡC-PI CḡC,P°PSPsPIPëC,CH B 86 PjP»/C...PI.

PḡP»C-PSC-CḡPSC- C...P°CḡP°PeC,PμCḡPëCḡC,PëPePë.

PμPsPeP°P·P°PSPSCḡ.

P”PsCḡPsCḡP»C-:

- CḡPëPjPīC,PsPjP°C,PëCḡPSPμ P»C-PeCḡPIP°PSPSCḡ PīP°C,PsP»PsPiC-CḡPSPëC... CḡC,P°PSC-PI,
C°%Ps CḡCḡPīCḡPsPIPsPrPḡCḡC,CHCḡCḡ PīPsPiC-CḡCḡPμPSPSCḡPj PīP°Pjḡḡ™ CḡC,C-,
PePsPiPsC-C,PëPIPSPëPjPë CḡPsP·P»P°PrP°PjPë, P·P° PIPëPSCḡC,PePsPj
PrC-P°PiPSPsCḡC,PsPIP°PSPsC— PrPμPjPμPSCḡC-C— (CḡP»P°P±PsCḡPjCḡC,PIP°);

- P»C-PeCḡPIP°PSPSCḡ PePsCḡC,PëPeP°P»CHPSPsC— PjC-PsPeP»PsPSC-C— CḡPe
PjPsPSPsPīCḡPμPīP°CḡP°C, P°P±Ps Cḡ CḡPeP»P°PrC- PePsPjPīP»PμPeCḡPSPsC—
C,PμCḡP°PīC-C—. P”P»Cḡ PīPμCḡPμPIC-CḡPePë CḡCḡC,P»PëPIPsCḡC,C- PrPs
PīC-CḡP°CḡPμC,P°PjCḡ PjPsPḡPSP° PīCḡPsPIPμCḡC,Pë PīCḡPsP±PSPëPNḡ PeCḡCḡCḡ
P»C-PeCḡPIP°PSPSCḡ PīCḡPsC,CḡPiPsPj PsP±PjPμPḡPμPSPsPiPs PīPμCḡC-PsPrCḡ CḡP°CḡCḡ.

PμCḡPsC,PëPīPsPeP°P·P°PSPSCḡ.

PḡC-PrPIPëC°%PμPSP° CḡCḡC,P»PëPIC-CḡC,CH PrPs PīC-CḡP°CḡPμC,P°PjCḡ P°P±Ps
PīPsC...C-PrPSPëC... PīC-CḡPsP»C-PrPsPSCḡ, P° C,P°PePsPḡ PrPs C-PSCḡPëC...
PePsPjPīPsPSPμPSC,C-PI PīCḡPμPīP°CḡP°C,Cḡ.

P”PsCḡC,CḡPμ PīPsCḡCḡCḡPμPSPSCḡ PjPsP·PePsPIPsPiPs PeCḡPsPIPsPsP±C-PiCḡ
(PiPμPjPsCḡP°PīC-CḡPSPëPNḡ C-PSCḡCḡP»CHC,).

PḡPμCḡPjC-PSP°P»CHPSP° CḡC,P°PrC-Cḡ PSPëCḡPePsPIPsC— PSPμPrPsCḡC,P°C,PSPsCḡC,C-.

PI⁺PsC₇P_μC₇ PI⁺P°PSC,C-PSPI₂C,PSPSP°.

P'P·P°C''PjPsPrC-C₇ P· C-PSC€PëPjPë P»C-PeP°C₇C₇CH₂PePëPjPë P·P°C₇PsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C''PjPsPrC-PN₂.

PjPëC₇P_μPsC—PrPSC- PiPsC₇PjPsPSPë.

P_μC₇Pë C₇C₇PjC-C₇PSPsPjC₇ P·P°C₇C,PSC₇C₇PI⁺P°PSPSC- P· C,PëC₇P_μPsC—PrPSPëPjPë
PiPsC₇PjPsPSP°PjPë (P₃ P₄) PjPsP₇P»PëPI⁺P° PiC-PrPI⁺PëC%₀P_μPSP°
PrC₇P°C,C-PI⁺P»PëPIC-C₇C,CH₂, PrP_μP·PsC₇C-C''PSC,P°C₇C-C₇ C- PiPsC₇C₇C€P_μPSPSC₇
C₇PSC₇.

P₇C₇P_μPSPsPeC₇PjP°C₇PsP».

P₇P»C-PSC-C₇PSC- PrPsC₇P»C-PrP₇P_μPSPSC₇ PiPsPeP°P·P°P»Pë, C%₀Ps C₇ C...PIPsC₇PëC... P·
C,C₇PI⁺P»PëPj PiP_μC₇P_μP±C-PiPsPj C₇P_μC₇PëPrPëPIC₇C₇C₇PsPiPs C,C₇PsPjP±PsP·C₇
P·P°C₇C,PSC₇C₇PI⁺P°PSPSC₇ PiC-C₇P°C₇P_μC,P°PjC₇ C₇ PrPsP·P°C... 9,6 Pi/PrPsP±C₇ PSP_μ
PI⁺P»PëPI⁺P°P»Ps PSP° PrPsP·C₇PI⁺P°PSPSC₇B P°C₇P_μPSPsPeC₇PjP°C₇PsP»C₇ PrP»C₇
PrPsC₇C₇PI⁺PSP_μPSPSC₇ P·PSP°C₇P_μPSPSC₇ INR 2,5B₇“3,5, P°P»P_μ PiC₇Pë PN₂PsPiPs
PsPrPSPsC₇P°C₇PSPsPjC₇ P·P°C₇C,PSC₇C₇PI⁺P°PSPSC- PIC-PrP·PSP°C₇P°P»PsC₇C₇
P·PSP°C₇PSP_μ P·PSPëP₇P_μPSPSC₇ C₇C-PI⁺PSC₇ P°PiC₇P_μPI⁺P°C₇C— C,C₇PsPjP±PsC₇PëC,C-PI,
PI⁺PëPIC-P»CH₂PSP_μPSPSC₇ β-C,C₇PsPjP±PsPiP»PsP±C₇P»C-PSC₇, C₇C-PI⁺PSC₇
C,,C-P±C₇PëPSPsPiP_μPSC₇, C,,P°PeC,PSC₇C-PI P'C-P»P»C-P±C₇P°PSPrC,P° (VIII: C; VIII: vW: Ag;
VIII: vW: Rco), PI₇B₇TM C₇PI⁺P·PePsC₇C,C- C₇C-P»CH₂PSPsC— PeC₇PsPIC- C- PiP»P°P·PjPë.

-

P₇P°C₇PjP°PePsPeC-PSP_μC,PëC₇PSC- PIP·P°C''PjPsPrC-C—.

P₇PjPsPIC-C₇PSC-C₇C,CH₂ P·PjC-PSPë C,,P°C₇PjP°PePsPeC-PSP_μC,PëPePë
PiC-C₇P°C₇P_μC,P°PjC₇ PiC-Pr PrC-C''C₇ C-PSC€PëC... P»C-PeP°C₇C₇CH₂PePëC...
P·P°C₇PsP±C-PI PSPëP·CH₂PeP°, PsC₇PeC-P»CH₂PePë PiC₇PëP±P»PëP·PSPs 90 %
PiC₇P_μPI⁺P°C₇P°C,C₇ PIPëPI⁺PsPrPëC,CH₂C₇C₇ PI PSP_μP·PjC-PSP_μPSPsPjC₇ PIPëPiP»C₇PI⁺PrC- P·
C₇P_μC₇P_μC₇.

In vitro PiC-C₇P°C₇P_μC,P°Pj PSP_μ PiC₇PëPiPSC-C₇C₇C'' PsC₇PSPsPI⁺PSC- C-P·PsC,,PsC₇PjPë
C₇PëC,PSC...C₇PsPjC₇ P 450 PiP_μC₇C-PSPëPë P»C₇PrPëPSPë CYP1A2, 2P'6, 2P'9, 2P'9, 2P'19,
2D6, 2P·1 C- 4P₇9/11 C₇ PePsPSC₇P_μPSC,C₇P°C₇C-C₇C... 142, 426, 1422 PjPePi/PjP».

P_μC₇Pë PePsPSC₇P_μPSC,C₇P°C₇C-C— 1422 PjPePi/PjP» PIC-PrP·PSP°C₇P_μPSPs
PSP_μP·PSP°C₇PSP_μ PiC₇PëPiPSC-C₇P_μPSPSC₇ CYP2A6 (21 %) C- P—P₇4/5 (11 %). P₇PrPSP°Pe
C₇C-PI⁺P_μPSCH₂ P₇C. PrP»C₇ C-PSPI₂C-P±C-C₇C-C— C₇PëC... PrPI⁺PsC... CYP-C-P·PsPjP_μC₇C-PI
PrPsC₇C,P°C,PSC-PN₂ PiC₇Pë PiP_μC₇P_μPI⁺PëC%₀P_μPSPSC- 1422 PjPePi/PjP». P₇PsPjC₇
PjP_μC,P°P±PsP»C-C₇PSP° PIP·P°C''PjPsPrC-C₇ P· PiC₇P_μPI⁺P°C₇P°C,P°PjPë, C%₀Ps
PiC-PrPrP°C₇C,CH₂C₇C₇ P±C-PsC,C₇P°PSC₇C,,PsC₇PjP°C₇C-C— C₇PëPjPë
C,,P_μC₇PjP_μPSC,P°PjPë, PjP°P»PsPN₂PjPsPIC-C₇PSP°.

P₄C₇PsC,PëP_μPiC-P»P_μPiC,PëC₇PSC- P»C-PeP°C₇C₇CH₂PeC- P·P°C₇PsP±Pë.

P—P°C₇C,PSC₇C₇PI⁺P°PSPSC₇ PiC-C₇P°C₇P_μC,P°PjC₇ PI PrPsP·C- 20 Pi/PrPsP±C₇
C%₀PsPrP_μPSPSPs PiC₇PsC,C₇PI⁺PsPj 4 C,PëP₇PSC-PI C- P±C-P»CH₂C€P_μ PSP_μ

P·PjC-PSCĤPIP°P»Ps PeCĤPëPICr PePsPSC†PμPSC,CĤP°C†C-C— C- PjP°PeCĤPëPjP°P»CHĤPSCr
PePsPSC†PμPSC,CĤP°C†C-Ĥ (PŸ_{max}) PĭCĤPsC,PëPμPĭC-P»PμPĭC,PëC†PSPëC...
PĭCĤPμPĭP°CĤP°C,C-PI Cr CĤPëCĤPsPIP°C,C†C- PeCĤPsPIC- (PeP°CĤP±P°PjP°P·PμPĭC-PS,
C,,PμPSC-C,PsC—PS, C,,PμPSPsP±P°CĤP±C-C,P°P», PSP°C,CĤC-Ĥ PIP°P»CHĤPĭCĤPsP°C,) Cr
C...PIPsCĤPëC... PSP° PμPĭC-P»PμPĭCĤC-Ĥ, CĤPeC- PsC,CĤPëPjCrĤC,CĤ
CĤC,P°P±C-P»CHĤPSC- PrPsP·Pë.

PĤP»PePsPiPsP»CHĤ.

PŸCrPjC-CĤPSPëPNë PĭCĤPëPNëPsPj P· P°P»PePsPiPsP»PμPj PSPμ PIPĭP»PëPIP°PI PSP°
CĤC-PIPμPSCĤ PePsPSC†PμPSC,CĤP°C†C-C— PĭC-ĤP°C†PμC,P°PjCr Cr PĭP»P°P·PjC-
PeCĤPsPIC-, C- PePsPSC†PμPSC,CĤP°C†C-CĤ P°P»PePsPiPsP»Ĥ PSPμ
P·PjC-PSCĤPIP°P»P°CĤCĤ PĭCĤPë P·P°CĤC,PsCĤCrPIP°PSPSC- 1,6 Pĭ PĭC-ĤP°C†PμC,P°PjCr.

PĤCĤPsP±P»PëPIPsCĤC,C- P·P°CĤC,PsCĤCĤPIP°PSPSCĤ.

P'PĭP»PëPI PSP° P°PĭCĤPμPĭP°C†C-Ĥ C,CĤPsPjP±PsC†PëC,C-PI.

PJ P·PIBĤ™ CĤP·PeCr P· C,PëPj, C%Ps PĭC-ĤP°C†PμC,P°Pj P·PSPëPĤCrC" P°PĭCĤPμPĭP°C†C-Ĥ
C,CĤPsPjP±PsC†PëC,C-PI (PrPëPI. CĤPsP·PrC-P» B«PαP°CĤPjP°PePsPrPëPSP°PjC-PeP°B»),
PSPμPsP±C...C-PrPSPs P· PsP±PμCĤPμPĤPSC-CĤC,Ĥ PĭCĤPëP·PSP°C†P°C,Pë PĭCĤPμPĭP°CĤP°C,
C...PIPsCĤPëPj P· PĭPsCĤCrC€PμPSPSCĤPj PĭPμPjPsCĤC,P°P·Cr, CĤC,P°PSP°PjPë, C%Ps
PjPsPĤCrC,CĤ CĤCrPĭCĤPsPIPsPrPĤCrPIP°C,PëCĤCĤ PeCĤPsPIPsPIPëP»PëPIP°PjPë
(PIPëCĤP°P·PeP° C€P»CrPSPePsPIPs-PePëC€PePsPIPsPiPs C,CĤP°PeC,Cr), PĭC-Pr C†P°CĤ
P·PSP°C†PSPëC... C...C-ĤCĤCrCĤPĭC-C†PSPëC... PsPĭPμCĤP°C†C-PNë (PIPeP»ĤC†P°CĤC†Pë
CĤC,PsPjP°C,PsP»PsPĭC-C†PSC- PIC,CĤCrC†P°PSPSCĤ), C...PIPsCĤPëPj C-P·
CĤPëPjPĭC,PsPjP°PjPë C,CĤPĤPePsC— PeCĤPsPIPsC,PμC†C- P°P±Ps C...PIPsCĤPëPj, CĤPeC-
PjP°CĤC,CĤ PI P°PSP°PjPSPμP·C- PĭPμPjPsCĤP°PĭC-C†PSPëPNë C-PSCĤCrP»CHĤC,;
PĭP°C†C-C"PS C,P°Pj, CĤPeC- P·P°CĤC,PsCĤPsPICrĤC,CĤ P°PSC,PëPePsP°PĭCrP»CĤPSC,Pë,
C,CĤPsPjP±PsC†PëC,P°CĤPSC- P°PSC,PëP°PĭCĤPμPĭP°PSC,Pë, PIPeP»ĤC†P°CĤC†Pë
PSPëP·CHĤPeC- PrPsP·Pë P°C†PμC,PëP»CĤP°P»C-C†PëP»PsPIPsC— PePëCĤP»PsC,Pë.

PμPsCĤCĤC€PμPSPSCĤ C,,CĤPSPeC†C-C— PSPëCĤPsPe.

PμCĤPμPĭP°CĤP°C, PIPëPIPsPrPëC,CHCĤCĤ PSPëCĤPeP°PjPë, C,PsPjCr PSPμPsP±C...C-PrPSPs
PsCĤPsP±P»PëPICr CrPIP°PĭCr PĭCĤPëPrC-P»CĤC,Pë C...PIPsCĤPëPj P· PSPëCĤPePsPIPsĤ
PSPμPrPsCĤC,P°C,PSC-CĤC,Ĥ (PrPëPI. CĤPsP·PrC-P» B«PŸPĭPsCĤC-P±
P·P°CĤC,PsCĤCrPIP°PSPSCĤ C,P° PrPsP·PëB»).

PμP°C†C-C"PS C,Pë P»C-C,PSCHĤPsPiPs PIC-PeCĤ.

PμCĤPë PrPsPIPiPsC,CĤPëPIP°P»C-PNë C,PμCĤP°PĭC-C— Cr C...PIPsCĤPëC... P»C-C,PSCHĤPsPiPs
PIC-PeCr CĤPμPePsPjPμPSPPrCrC"C,CHCĤCĤ CĤPμPĭCrP»CĤCĤPSPëPNë PePsPSC,CĤPsP»CH
PĭPsPeP°P·PSPëPeC-PI C,,CrPSPeC†C-C— PSPëCĤPsPe, P·P° PSPμPsP±C...C-PrPSPsCĤC,C-
PePsCĤPëPĭCrĤC,CĤ PrPsP·Cr P·P°P»PμPĤPSPs PIC-Pr CĤPμP·CrP»CHĤC,P°C,C-PI
PrPsCĤP»C-PrPĤPμPSPSCĤ PeP»C-CĤPμPSCĤCr PeCĤPμP°C,PëPSC-PSCr (PrPëPI. CĤPsP·PrC-P»
B«PŸPĭPsCĤC-P± P·P°CĤC,PsCĤCrPIP°PSPSCĤ C,P° PrPsP·PëB»).

PμPμCĤPμCĤPëPIP°PSPSCĤ P·P°CĤC,PsCĤCĤPIP°PSPSCĤ.

PμCĤPë P»C-PeCrPIP°PSPSC- C...PIPsCĤPëC... PSP° PePsCĤC,PëPeP°P»CHĤPSCr

$$\underline{\text{P}''\text{PsCH}_2\text{PsCH}_2'\text{P}} \gg \text{C}-.$$

*P>C-PeCáPIP°PSPSCIJ CÍ'C,P°PSC-PI, C%oPs CÍ'CáPíCĤPsPIPsPrP¶CáCĤC,CHCÍ'CÍJB
PíPsPiC-CĤC€PµPSPSCIJPj PíP°Pjĵ™ CÍJC,C-, PePsPiPSC-C,PëPIPSPëPjPë CĤPsP·P»P°PrP°PjPë.*

P PµPePsPjPµPSPPrPsPIP°PSP° PrPsP±PsPIP° PrPsP·P° CÍ'C,P°PSPsPIPëC,CH 2,4БĤ"4,8 Pi.
P—P°P·PIPëC†P°PNë PrPsP·Cr CĤPsP·PíPsPrC-P»CÍJCĤC,CH PSP° 2БĤ"3 PíCĤPëPNëPsPjPë.

P>C-PeCáPIP°PSPSCIJ PePsCĤC,PëPeP°P»CHPSPSC— PjC-PsPeP»PsPSC-C—.

PµPsC†P°C,PePsPIP° PrPsP±PsPIP° PrPsP·P° CÍ'C,P°PSPsPIPëC,CH 7,2 Pi, CÍPeCr
P·P±C-P»CHC€CrCĤC,CH PSP° 4,8 Pi PePsP¶PSC- C,CĤPë P°P±Ps C†PsC,PëCĤPë PrPSC- PrPs
PjP°PeCÍ'PëPjP°P»CHPSPsC— PrPsP·Pë 24 Pi, CÍPeCr CĤPsP·PíPsPrC-P»CÍJCĤC,CH PSP° PrPIP°
P°P±Ps C,CĤPë PíCĤPëPNëPsPjPë. P>C-PeCáPIP°PSPSCIJ C-PSC€PëPjPë
P°PSC,PëPjC-PsPeP»PsPSC-C†PSPëPjPë P·P°CÍ'PsP±P°PjPë PíC-PrC,CĤPëPjCÍ'C"C,CHCÍ'CÍ Cr
PíPsPiPµCĤPµPrPSCĤPs PíCĤPëP·PSP°C†PµPSPëC... PrPsP·P°C.... P—P°P»PµP¶PSPs PIC-Pr
PsC,CĤPëPjP°PSPsPiPs C,PµCĤP°PíPµPIC,PëC†PSPsPiPs PµC,,PµPeC,Cr, CÍPeC%oPs
PjPsP¶P»PëPIPs, CÍ'P»C-Pr P·PSPëP·PëC,Pë PrPsP·Cr C-PSC€PëC...
P°PSC,PëPjC-PsPeP»PsPSC-C†PSPëC... P»C-PeP°CĤCÍ'CHPePëC... P·P°CÍ'PsP±C-PI.

P>C-PeCáPIP°PSPSCIJ PíCĤPsPrPsPIP¶CÍ'CĤC,CH PrPs P·PSPëPePSPµPSPSCIJ
CÍ'PëPjPíC,PsPjC-PI P·P°C...PIPsCĤCĤPIP°PSPSCIJ. Pj PíP°C†C-C"PSC,C-PI P· PíPsCÍ'C,CĤPëPj
PíPµCĤPµP±C-PíPsPj P·P°C...PIPsCĤCĤPIP°PSPSCIJ P· C†P°CÍ'PsPj PjPsP¶Pµ
CÍ'PíPsCÍ'C,PµCĤC-PíP°C,PëCÍ'CÍ CÍ'PíPsPSC,P°PSPSPµ PíPsPeCĤP°C%oPµPSPSCIJ, C,PsPjCr
PePsP¶PSC- 6 PjC-CÍ'CÍJC†C-PI CÍ'P»C-Pr CĤPsP±PëC,Pë CÍ'PíCĤPsP±Cr P·PSPëP·PëC,Pë
PrPsP·Cr P°P±Ps PIC-PrPjC-PSPëC,Pë P»C-PeCáPIP°PSPSCIJ PíCĤPµPíP°CĤP°C,PsPj. P—
C†C-C"CĤ PjPµC,PsCĤ PrPsP·Cr PíC-CĤP°C†PµC,P°PjCr P·PSPëP¶CÍ'CĤC,CH PSP° 1,2 Pi
PePsP¶PSC- PrPIP° PrPSC- (PePsP¶PSC- C,CĤPë P°P±Ps C†PsC,PëCĤPë PrPSC- Cr CĤP°P·C-
CÍ'PëPSPPrCĤPsPjCr P>P°PSC†P° БĤ" PĥPrP°PjCÍ'P° P· PjPµC,PsCĤ PíPsPiPµCĤPµPrP¶PµPSPSCIJ
CĤP°PíC,PsPIPsPiPs CĤPµC†PëPrPëPICr P°P±Ps PíPëPSPëPePSPµPSPSCIJ CÍ'CrPrPsPj,
PíPsPiБĤ™ CÍP·P°PSPëC... P· PIC-PrPjC-PSPsCĤ PíCĤPµPíP°CĤP°C,Cr).

PhCÍ'PsP±P»PëPIC- PíCĤCáPíPë PíP°C†C-C"PSC,C-PI.

P—P°CÍ'C,PsCÍ'CrPIP°PSPSCIJ PíP°C†C-C"PSC,P°Pj P»C-C,PSCHPsPiPs PIC-PeCr.

PµPsCĤPµPeC†C-CÍ PrPsP·Pë CĤPµPePsPjPµPSPPrCÍ'C"C,CHCÍ'CÍ PíP°C†C-C"PSC,P°Pj
P»C-C,PSCHPsPiPs PIC-PeCr P· PrC-P°PiPSPsCÍ'C,PsPIP°PSPëPjPë P°P±Ps
PíC-PrPsP·CĤCĤPIP°PSPëPjPë CĤPsP·P»P°PrP°PjPë C,,CrPSPeC†C-C— PSPëCĤPsPe (PrPëPI.
CĤPsP·PrC-P» B«P"PsP·CrPIP°PSPSCIJ C...PIPsCĤPëPj P· PíPsCĤCrC€PµPSPSCIJPj
C,,CrPSPeC†C-C— PSPëCĤPsPeB»). PµCĤPë PrPsPIPsC,CĤPëPIP°P»PsPjCr P»C-PeCáPIP°PSPSC-
Cr CĤP°P·C- PSPµPsP±C...C-PrPSPsCÍ'C,C- C,P°PePëPj PíP°C†C-C"PSC,P°Pj PíPsC,CĤC-P±PSPs
PePsPSC,CĤPsP»CĤPIP°C,Pë PeP»C-CĤPµPSCÍ' PeCĤPµP°C,PëPSC-PSCr P· PjPµC,PsCĤ
P°PrPµPePIP°C,PSPsC— PePsCĤPµPeC†C-C— PrPsP·Pë.

P"PsP·CrPIP°PSPSCIJ C...PIPsCĤPëPj P· PíPsCĤCrC€PµPSPSCIJPj C,,CrPSPeC†C-C— PSPëCĤPsPe.

PhCÍ'PeC-P»CHPePë PíCĤPµPíP°CĤP°C, PíPëPIPsPrPëC,CHCÍ'CÍ P· PsCĤPíP°PSC-P·PjCr
PSPëCĤPeP°PjPë, CÍ'P»C-Pr PíPëCÍPIP»CÍJC,Pë PsP±PµCĤPµP¶PSC-CÍ'C,CH PíCĤPë
P»C-PeCáPIP°PSPSC- C...PIPsCĤPëC... P· PSPëCĤPePsPIPsCĤ PSPµPrPsCÍ'C,P°C,PSC-CÍ'C,CĤ, Cr
C,P°PePëC... PíP°C†C-C"PSC,C-PI CĤPµPePsPjPµPSPPrCÍ'C"C,CHCÍ'CÍ
PePsPSC,CĤPsP»CĤPIP°C,Pë C,,CrPSPeC†C-CĤ PSPëCĤPsPe.

P—P±C-P»CHC€PµPSPSCIJ PíPµCĤC-PsPrCr PSP°PíC-PIPIPëPIPµPrPµPSPSCIJ
P±PµP·PíPsCÍ'PµCĤPµPrPSCĤPs PíPsPiБĤ™ CÍP·P°PSPs P· PíPsPiC-CĤC€PµPSPSCIJPj

C,,CfPSPeC†C-C— PSPëCĤPsPe C- PeP»C-CĤPµPSCÍCf PeCĤPµP°C,PëPSC-PSCf. P|Pµ C,P°PePsP¶
CÍC,PsCÍCfC”C,CHCÍCĬ PîP°C†C-C”PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCf, Cf CĬPePëC...
PIPëPIPµPrPµPSPSCĬ PeCĤPµP°C,PëPSC-PSCf P·P°P»PµP¶PëC,CH PIC-Pr PIC-PeCf.
P†PSC,PµCĤPIP°P» PjC-P¶ PîCĤPëPNëPsPjP°PjPë PîPsC,CĤC-P±PSPs CÍPePsCĤPëPiCfPIP°C,Pë
PSP° PsCÍPSPsPIC- C,,CfPSPeC†C-C— PSPëCĤPsPe.

P PsP·CĤP°C...CfPSPsPe PrPsP·Pë PîCĤPsPIPsPrCĬC,CH PSP° PsCÍPSPsPIC-
PsC†C-PSPePë PeP»C-CĤPµPSCÍCf PeCĤPµP°C,PëPSC-PSCf Cf PîP°C†C-C”PSC,P° P·P°
C,,PsCĤPjCfP»PsCĤ:



P>C-PeCfPIP°PSPSCĬ C,P°PePëPj C...PIPsCĤPëPj PîCĤPëP·PSP°C†P°CĤC,CH P·P°P»PµP¶PSPs
PIC-Pr CÍC,CfPîPµPSCĬ C,CĬP¶PePsCÍC,C- PSPëCĤPePsPIPsC— PSPµPrPsCÍC,P°C,PSPsCÍC,C-,
PrPsC,CĤPëPjCfCĤC†PëCÍCH C,P°PePëC... CĤPµPePsPjPµPSPPrP°C†C-PNë:

PŸC,CfPîC-PSCH PSPëCĤPePsPIPsC— PSPµPrPsCÍC,P°C,PSPsCÍC,C- (PjP»/C...PI)	PµP»C-CĤPµPSCÍ PeCĤPµP°C,PëPSC-PSCf (PjP»/C...PI)	P”PsP·CfPIP°PSPSCĬ
PkPsCĤPjP°P»CHPSP° C,,CfPSPeC†C-CĬ PSPëCĤPsPe	> 80	P—PIPëC†P°PNëPSP° PrPsP·P°, CĤPsP·PrC-P»PµPSP° PSP° 2 P°P±Ps 4 PîCĤPëPNëPsPjPë
P>PµPiPePëPNë	50BĤ”79	2/3 P·PIPëC†P°PNëPSPsC— PrPsP·Pë P·P° 2BĤ”3 PîCĤPëPNëPsPjPë
PµPsPjC-CĤPSPëPNë	30BĤ”49	1/3 P·PIPëC†P°PNëPSPsC— PrPsP·Pë P·P° 2 PîCĤPëPNëPsPjPë
PŸCĬP¶PePëPNë	< 30	1/6 P·PIPëC†P°PNëPSPsC— PrPsP·Pë PsPrPSPsCĤP°P·PsPIPs
PŸPµCĤPjC-PSP°P»CHPSP° CÍC,P°PrC-CĬ	BĤ”	PµCĤPsC,PëPiPsPeP°P·P°PSPs

P”PsP·CfPIP°PSPSCĬ C...PIPsCĤPëPj P· PîPsCĤCfC€PµPSPSCĬPj C,,CfPSPeC†C-C—
PîPµC†C-PSPePë.

PµPsCĤPëPiCfPIP°PSPSCĬ PrPsP·Pë PSPµ PîPsC,CĤC-P±PSPµ PrP»CĬ C...PIPsCĤPëC... P·
PîPsCĤCfC€PµPSPSCĬPj C,C-P»CHPePë C,,CfPSPeC†C-C— PîPµC†C-PSPePë. Pj CĤP°P·C-

PrC-P°PiPSPsCfC,PsPIP°PSPëC... P°P±Ps PiC-PrPsP·CfCfPIP°PSPëC... CfPsP·P»P°PrC-PI
C,,CrPSPeC†C-C— PiPµC†C-PSPePë C,P° PSPëCfPsPe PePsCfPµPeC†C-Cf PrPsP·Pë
PiCfPsPIPPrCfC,Ch C,P°Pe, CµPe PIPeP°P·P°PSPs Cr CfPsP·PrC-P»C- B«P°PsP·CrPIP°PSPSCf
C...PIPsCfPëPj P· PiPsCfCrC€PµPSPSCfPj C,,CrPSPeC†C-C— PSPëCfPsPeB».

P°C-C,Pë.

PrPµ P·P°CfC,PsCfPsPICfCfC,Ch.

PµPµCfPµPrPsP·CzPIP°PSPSCf.

PfPëPjPiC,PsPjPë: PiPsCfPëP»PµPSPSCf PiCfPsCfPIC-PI PiPsP±C-C†PSPsC— PrC-C—
PiCfPµPiP°CfP°C,Cr. PfPëPjPiC,PsPjPë PiPµCfPµPrPsP·CrPIP°PSPSCf
CfPiPsCfC,PµCfC-PiP°P»PëCfCf PiCfPë PiPµCfPsCfP°P»ChPSPsPjCr
P·P°CfC,PsCfCrPIP°PSPSC- PiCfPµPiP°CfP°C,Cr Cr PrPsP·C- 75 Pi.

P>C-PeCzPIP°PSPSCf CfPëPjPiC,PsPjP°C,PëC†PSPµ: PiCfPsPjPëPIP°PSPSCf C€P»CrPSPeP°,
C-PSPrCrPeC†C-Cf P±P»CfPIP°PSPSCf. PfPiPµC†PëC,,C-C†PSPsPiPs P°PSC,PëPrPsC,P°
PSPµPjP°C", PjPsP¶PSP° P·P°CfC,PsCfPsPICfPIP°C,Pë PiPµPjPsPrC-P°P»C-P·
(PIPëPIPµPrPµPSPSCf 50Bf"60 % PiC-CfP°C†PµC,P°PjCr).

PµPsP±C-C†PSC- CfPµP°PeC†C-C—.

PµPsP±C-C†PSC- CfPµP°PeC†C-C—, PIC-PrPjC-C†PµPSC- Cr C...PsPrC- PeP»C-PSC-C†PSPëC...
PIPëPiCfPsP±CrPIP°PSCf C,P° PiCfPsC,CfPiPsPj PiPsCfC,PjP°CfPePµC,PëPSPiPsPiPs
CfPiPsCfC,PµCfPµP¶PµPSPSCf, PiPµCfPµCfP°C...PsPIP°PSC- P·P° PeP»P°CfP°PjPë
CfPëCfC,PµPj PsCfPiP°PSC-PI C,P° C†P°CfC,PsC,PsCf.

PfP°CfC,PsC,P° PIPëP·PSP°C†P°C",ChCfCf C,P°PePëPj C†PëPSPsPj: PrCrP¶Pµ C†P°CfC,Ps (≥
1/10), C†P°CfC,Ps (≥ 1/100 PrPs <1/10), PSPµC†P°CfC,Ps (≥ 1/1000 PrPs <1/100), CfC-PrPePs (≥
1/10 000 PrPs <1/1000), PrCrP¶Pµ CfC-PrPePs (<1/10000), C†P°CfC,PsC,P° PSPµPIC-PrPsPjP°
(PSPµ PjPsP¶PSP° PsC†C-PSPëC,Pë C†P°CfC,PsC,CrB PSP° PsCfPSPsPIC- PrPsCfC,CrPiPSPëC...
PrP°PSPëC...).

PµPsCfC,PjP°CfPePµC,PëPSPiPsPIC- PrP°PSC- PSPµPrPsCfC,P°C,PSC- PrP»Cf
CfPsP·CfP°C...CrPSPeCr C†P°CfC,PsC,Pë PIPëPSPëPePSPµPSPSCf PiPsP±C-C†PSPëC...
CfPµP°PeC†C-PNë Cr PiCfPsP»C-PePsPIP°PSC-PNë PiPsPiCrP»CfC†C-C—.

P— P±PsPeCz PeCfPsPIC- C,P° P»C-PjC,,P°C,PëC†PSPsC— CfPëCfC,PµPjPë.

PfP°CfC,PsC,P° PSPµPIC-PrPsPjP°: PiPµPjPsCfP°PiC-C†PSC- CfPsP·P»P°PrPë.

P— P±PsPeCz C-PjCzPSPSPsC— CfPëCfC,PµPjPë.

PfP°CfC,PsC,P° PSPµPIC-PrPsPjP°: PiC-PiPµCfC†CrC,P»PëPIC-CfC,Ch,
P°PSP°C,,C-P»P°PeC,PsC—PrPSC- CfPµP°PeC†C-C—.

PµCfPëC...C-C†PSC- CfPsP·P»P°PrPë. B

ПШ°СГГ,Ps: P·PSPμCГPIPsPIP°PSC-СГГ,СН.

РКРμC±P°СГГ,Ps: PrPμPіCГPμCГГ-СГ.

ПШ°СГГ,PsC,P° PSPμPIC-PrPsPjP°: B PіC-PrPIPëC%PμPSP° P·P±CfPrP¶CfPIP°PSC-СГГ,СН,
C,СГPëPIPsP¶PSC-СГГ,СН, P·P±PμPSC,PμP¶PμPSPSCГ, PiP°P»CГC†PëPSP°C†C-С—.

P— P±PsPeCз PSPμCГPIPsPIPsC— СГPëCГГ,PμPjPë.

ПШ°СГГ,Ps: PiC-PiPμCГP°PeC,PëPIPsC-СГГ,СН.

РКРμC±P°СГГ,Ps: СГPsPSP»PëPIC-СГГ,СН.B B

ПШ°СГГ,PsC,P° PSPμPIC-PrPsPjP°: P°C,P°PeCГГ-СГ, PiPsCГCfC€PμPSPSCГ
CГC-PIPsPsPIP°PiPë, PiC-PrPIPëC%PμPSPSCГ C±P°СГГ,PsC,Pë PSP°PiP°PrC-PI
PμPiC-P»PμPiCГГ-С—, PiPsP»PsPIPsPëP№ P±C-P»СН, P±PμP·CГPsPSPSCГ,
C,СГPμPjC,C-PSPSCГ.

P— P±PsPeCз PsCГPiP°PSC-PI СГP»Cз...Cз C,P° P»P°P±C-СГPëPSC,Cз.B

ПШ°СГГ,PsC,P° PSPμPIC-PrPsPjP°: P·P°PiP°PjPsCГPsC±PμPSPSCГ.

P— P±PsPeCз C,СГP°PIPsPsC— СГPëCГГ,PμPjPë.

ПШ°СГГ,PsC,P° PSPμPIC-PrPsPjP°: P°P±PrPsPjC-PSP°P»СНPSPëP№ P±C-P»СН, P±C-P»СН Cf
PIPμCГC...PSC-P№ C±P°СГГ,PëPSC- P¶PëPIPsC,P°, PrC-P°CГPμCГ, PSCfPrPsC,P°,
P±P»CГPIP°PSPSCГ.

P— P±PsPeCз C€PeC-СГPë C,P° PiC-PrC€PeC-СГPSPëC... C,PeP°PSPëPS.

ПШ°СГГ,PsC,P° PSPμPIC-PrPsPjP°: P°PSPiC-PsPSPμPICГPsC,PëC±PSPëP№ PSP°P±CГCГPe,
PrPμCГPjP°C,PëC,Pë, PeCГPsPiPëPiбГ™ CГPSPeP°, СГPIPμCГP±C-P¶.

*P— P±PsPeCз CГPμPiCГPsPrCзPeC,PëPIPsPsC— СГPëCГГ,PμPjPë C,P° PjPsP»PsC±PSPëC...
P·P°P»PsP°.*

ПШ°СГГ,PsC,P° PSPμPIC-PrPsPjP°: PiC-PrPIPëC%PμPSPSCГ СГPμPeCГCfP°P»СНPSPsC—
P°PeC,PëPIPsPsCГГ,C-.

P—P°PiP°P»СНPSC- CГPsP·P»P°PrPë.

РКРμC±P°СГГ,Ps: P°СГГ,PμPSC-СГ.

P''PsCГP»C-PrP¶PμPSPSCГ.

ПШ°СГГ,Ps: P·P±C-P»СНC€PμPSPSCГ PjP°CГPë C,C-P»P°.

PμPsPIC-PrPsPjP»PμPSPSCГ PiCГPs PiC-PrPsP·CГCГPIP°PSC- PiPsP±C-C±PSC-
CГPμP°PeC†C-С—

PμPsPIC-PrPsPjP»PμPSPSCГ PiCГPs PiPsP±C-C±PSC- CГPμP°PeC†C-С— PiC-СГP»CГ
CГPμC''СГГ,СГP°C†C-С— P»C-PeP°CГCГСНPePsPiPs P·P°CГPsP±Cf PjP°C'' PIP°P¶P»PëPIPμ
P·PSP°C±PμPSPSCГ. PiPμ PrP°C'' P·PjPsPiCf PiCГPsPIPsPrPëC,Pë PjPsPSC-C,PsCГPëPSPi
CГPiC-PIPIC-PrPSPsC€PμPSPSCГ PePsCГPëCГГ,СН/СГPëP·PëPe PiCГPë

1) PŠPμPjC-PS P°CĤ PαPsCĤC-PμCÍC, 1, P°CĤP°C-PSPμ-P>BĤ™P°P»P»PμCíPr, 1420, P°PμP»CHbPiC-CĤ / Chemin Du Foriest 1, Braine-LbĤ™alleud, 1420, Belgium;

2)B P_hP»CH₃C,,C₇P_uPr-P_kPsP±P_uP»CH₃-P_EC,C₇. 10, 40789 P_hPsPSC...P°PN₂P_j PSP° P P_uPN₂PSC-,
P_kC-P_jP_uC‡C‡P_ePSP° / Alfred-Nobel-Str. 10, 40789 Monheim am Rhein, Germany.

P—P°CΠIPSPëP_e.

P®P_YP' P_αP°C₇P_jP° P_Y.P_h., P'P_uP»CH₃PiC-C₇ /

UCB Pharma S.A., Belgium.

P_hC-C₇C‡P_uP·PSP°C...PsPrP¶P_uPSPSCΠ P·P°CΠIPSPëP_eP°.

P_hP»P»P_u PrP_u P»C₇ P P_uC€P_uC₇C€ 60, P'-1070 P'C₇C_hC₇P_uP»CH₃, P'P_uP»CH₃PiC-C₇ /

Allee de la Recherche 60, B-1070 Brussels, Belgium.