

$$\begin{aligned} & \text{PrP} \gg \text{Cl} \text{ PjP} \mu \text{PrP} \ddot{\text{C}} \ddagger \text{PSPsPiPs} \text{ P} \cdot \text{P}^\circ \text{C} \acute{\text{I}} \text{C}, \text{PsC} \acute{\text{I}} \text{C} \acute{\text{r}} \text{PI} \text{P}^\circ \text{PSPSCl} \text{ P} \gg \text{C-PeP}^\circ \text{C} \grave{\text{I}} \text{C} \text{C} \text{H} \text{PePsPiPs} \\ & \text{P} \cdot \text{P}^\circ \text{C} \acute{\text{I}} \text{PsP} \pm \text{C} \acute{\text{r}} \end{aligned}$$

(MUCOGEN)

P P_μP±P°PjC-PiC-Pr PiC-PrPIPëC%CrC" P_μPSPrPsPiP_μPSPSPëPN_ë PIPjC-ClC,
PiCThPsClC,P°PiP»P°PSPrPëPSC-PI E, C,P° I, (PGE, C,P° PGI), CUPeC- PjC-ClC,CUC,C_HClCUC Cí

C€P»CfPSPePsPIPsPjCf CfPsPeCf, P° C,P°PePsP¶ PïC-PrPIPëC%oCfC” CŷC-PIPµPSCĤ PïCŷPsCfC,P°PiP»P°PSPrPëPSCf P•₂ (PGE₂) Cf CfP»PëP·PsPIC-PNë PsP±PsP»PsPSC†C- C€P»CfPSPeP°, C%oPs CfPïCŷPëCŷC” C—C— P·P°C...PëCfC,Cf PIC-Pr CfC€PePsPrP¶CfCĤC†PëC... C,,P°PeC,PsCŷC-PI. P PµP±P°PjC-PïC-Pr C†PëPSPëC,CH C†PëC,PsPïCŷPsC,PµPeC,PsCŷPSPëPNë PµC,,PµPeC,, PrPsPIPµPrPµPSPëPNë Cf PrPsCfP»C-PrP¶PµPSPSCŷC... *in vitro*, PïPsPeCŷP°C%oCfC” PeCŷPsPIPsPsP±C-Pi Cf CfP»PëP·PsPIC-PNë PsP±PsP»PsPSC†C- C€P»CfPSPeP° C- CfC,PëPjCfP»CĤC” PïCŷPsP»C-C,,PµCŷP°C†C-CĤ PeP»C-C,PëPS. P—P°PIPrCŷPePë PïCŷPëCfPePsCŷPµPSPSCĤ P°PeC,PëPIPSpSCfC,C- C,,PµCŷPjPµPSC,C-PI, C%oPs CfC,PëPjCfP»CĤCĤC,CH P±C-PsCfPëPSC,PµP· PIPëCfPsPePsPjPsP»PµPeCfP»CŷCŷPSPëC... PiP»C-PePsPïCŷPsC,PµC—PSC-PI, CŷPµP±P°PjC-PïC-Pr P·P±C-P»CHC€CfC” PeC-P»CHPeC-CfC,CH PïPsPIPµCŷC...PSPµPIPsPiPs C€P»CfPSPePsPIPsPiPs CfP»PëP·Cf. P PµP±P°PjC-PïC-Pr PSPµ PIPïP»PëPIP°C” PSP° P±P°P·P°P»CHPSCf C- CfC,PëPjCfP»CHPsPIP°PSCf C€P»CfPSPePsPICf CfPµPeCŷPµC†C-CĤ.

PαP°CŷPjP°PePsPeC-PSPµC,PëPeP°.

PµC-CfP»Cŷ PsPrPSPsCŷP°P·PsPIPsPiPs PïPµCŷPsCŷP°P»CHPSPsPiPs P·P°CfC,PsCfCfPIP°PSPSCŷ 100 PjPi CŷPµP±P°PjC-PïC-PrCf PjP°PeCfPëPjP°P»CHPSP° PePsPSC†PµPSC,CŷP°C†C-Cŷ Cf PïP»P°P·PjC- PeCŷPsPIC- (210 PSPi/PjP») CfPïPsCfC,PµCŷC-PiP°P»P°CfCŷ C†PµCŷPµP· 2 PïPsPrPëPSPë. P’ PµPeCfPïPµCŷPëPjPµPSC,P°C... *in vitro* P· P±C-P»PeP°PjPë PïP»P°P·PjPë P·PiBŷ™ CŷP·CfPIP°P»PsCfCŷ PïCŷPëP±P»PëP·PSPs 90 % PïCŷPµPïP°CŷP°C,Cf, PïCŷPsC,Pµ Cf P±P°PiP°C,PsCŷP°P·PsPIPëC... PrPsCfP»C-PrP¶PµPSPSCŷC... PrPsPIPµPrPµPSPs, C%oPs PïCŷPµPïP°CŷP°C, PSPµ PeCfPjCfP»CĤC”C,CHCfCŷ PI PsCŷPiP°PSC-P·PjC-. PµCŷPµPïP°CŷP°C, PïC-PrPrP°C”C,CHCfCŷ PSPµP·PSP°C†PSPsPjCf PjPµC,P°P±PsP»C-P·PjCf PI PsCŷPiP°PSC-P·PjC- P»CĤPrPëPSPë, PïCŷPsC,Pµ P·PrPµP±C-P»CHC€PsPiPs PIPëPrC-P»CŷC”C,CHCfCŷ Cf PSPµP·PjC-PSPµPSPsPjCf PIPëPiP»CŷPrC-. PµPµCŷC-PsPr PSP°PïC-PIPIPëPIPµPrPµPSPSCŷ P· PïP»P°P·PjPë PeCŷPsPIC- CfC,P°PSPsPIPëC,CH PïCŷPëP±P»PëP·PSPs B B B B B B B B B B 1,5 PiPsPrPëPSPë.

PµCŷPë P·P°CfC,PsCfCfPIP°PSPSC- CŷPµP±P°PjC-PïC-PrCf Cf PrPsP·C- 100 PjPi Cf PïP°C†C-C”PSC,C-PI P· PSPëCŷPePsPIPsCĤ PSPµPrPsCfC,P°C,PSC-CfC,CĤ PSPµ P±CfP»Ps C-CfC,PsC,PSPëC... CŷPsP·C...PsPrP¶PµPSCĤ Cf PïPsPeP°P·PSPëPeP°C... PePsPSC†PµPSC,CŷP°C†C-C— PïCŷPµPïP°CŷP°C,Cf Cf PïP»P°P·PjC- PeCŷPsPIC- C- PïPµCŷC-PsPrCf PSP°PïC-PIPIPëPIPµPrPµPSPSCŷ PjC-P¶ P·PrPsCŷPsPIPëPjPë C- C...PIPsCŷPëPjPë PïP°C†C-C”PSC,P°PjPë.

PљP»C-PSC-C†PSC- C...P°CŷP°PeC,PµCŷPëCfC,PëPePë.

PµPsPeP°P·P°PSPSCŷ.

PJ CfPeP»P°PrC- PePsPjPïP»PµPeCfPSPsPiPs P»C-PeCfPIP°PSPSCŷ C...CŷPsPSC-C†PSPsPiPs PïP°CfC,CŷPëC,Cf P· PïC-PrPIPëC%oPµPSPsCĤ PePëCfP»PsC,PsCfC,PIPsCŷCĤPIP°P»CHPSPsCĤ C,,CfPSPeC†C-C”CĤ C€P»CfPSPeP° Cf CfC,P°PrC— P·P°PiPsCfC,CŷPµPSPSCŷ, PµCŷPsP·PëPIPSpSiPs PïP°CfC,CŷPëC,Cf, C,,CfPSPeC†C-PsPSP°P»CHPSPsC— PrPëCfPiPµPïCfC-C—.

P—P°PİPsP±C—PiP°PSPSCİİ PİPëPSPëPePSPµPSPSCĤ CıC€PePsPrP¶PµPSCĤ CıP»PëP·PsPIPSC—
PsP±PsP»PsPSPePë PSP° C,P»C— PİCĤPëPNëPsPjCı PSPµCıC,PµCĤPsC—PrPSPëC...
PİCĤPsC,PëP·P°PİP°P»CHPSPëC... P·P°CıPsP±C—PI.

B

PµCĤPsC,PëPİPsPeP°P·P°PSPSCİİ.

PµC—PrPIPëC‰PµPSP° CıCıC,P»PëPIC—CıC,CH PrPs CĤPµP±P°PjC—PİC—PrCı P°P±Ps PrPs
P±CıPrCH—CİPePsPiPs C—PSC€PsPiPs PePsPjPiPsPSPµPSC,P° PİCĤPµPİP°CĤP°C,Cı.
P—P»PsCİPeC—CıPSC— P·P°C...PIPSCĤPİP°PSPSCİİ C€P»CıPSPeP°.

***P'P·P°C''PjPsPrC—Cİ P· C—PSC€PëPjPë P»C—PeP°CĤCıCHPePëPjPë P·P°CıPsP±P°PjPë C,P°
C—PSC€C— PİPëPrPë PİP·P°C''PjPsPrC—PNë.***

PµCĤPë P·P°CıC,PSCıCıPİP°PSPSC— CĤPµP±P°PjC—PİC—PrCı Cı CıPeP»P°PrC—
C,CĤP°PrPëCıC—PNëPSPëC... P°PSC,PëC...PµP»C—PePsP±P°PeC,PµCĤPSPëC... CıC...PµPj
PµC,,PµPeC,PëPIPSC—CıC,CH PµCĤP°PrPëPeP°CıC—PNëPSPsC— C,PµCĤP°PİC—C—,
PIC—CĤPsPiC—PrPSPs, P·CĤPsCıC,P°C''.

P'P·P°C''PjPsPrC—Cİ P· C—PSC€PëPjPë PİCĤPµPİP°CĤP°C,P°PjPë PSPµ PrPsCıP»C—PrP¶PµPSP°.

PĥCıPsP±P»PëPIPSCıC,C— P·P°CıC,PSCıCıPİP°PSPSCİİ.

PŸP»C—Pr P· PsP±PµCĤPµP¶PSC—CıC,CĤ PİCĤPëP·PSP°CıP°C,Pë PİCĤPµPİP°CĤP°C,
PİP°CıC—C''PSC,P°Pj P»C—C,PSCHPsPiPs PIC—PeCı PrP»Cİ P·PjPµPSC€PµPSPSCİİ CĤPëP·PëPeCı
CĤPsP·PIPëC,PeCı PİPsCĤCıC€PµPSCĤ P· P±PsPeCı C,CĤP°PIPSPsPiPs C,CĤP°PeC,Cı,
PsCıPeC—P»CHPePë PrP°PSP° PeP°C,PµPiPsCĤC—Cİ PİP°CıC—C''PSC,C—PI P±C—P»CHC€
CıCıC,P»PëPIP° PrPs P»C—PeP°CĤCıCHPePëC... P·P°CıPsP±C—PI, PSC—P¶ PjPsP»PsPrC€C—
PİP°CıC—C''PSC,Pë.

*P—P°CıC,PSCıCıPİP°PSPSCİİ Cı PİPµCĤC—PsPr PİP°PİC—C,PSPsCıC,C— P°P±Ps
PiPsPrCıPİP°PSPSCİİ PİCĤCıPrPrCĤ.*

PµCĤPsC,PëPİPsPeP°P·P°PSPëPNë Cı PİPµCĤC—PsPr PİP°PİC—C,PSPsCıC,C— P°P±Ps
PiPsPrCıPİP°PSPSCİİ PİCĤCıPrPrCĤ, PsCıPeC—P»CHPePë P±PµP·PİPµPeP°
P·P°CıC,PSCıCıPİP°PSPSCİİ CĤPµP±P°PjC—PİC—PrCı Cı PİP°PİC—C,PSPëC... P¶C—PSPsPe PSPµ
PrPsPIPµPrPµPSP°.

PĥCıPeC—P»CHPePë CĤPµP±P°PjC—PİC—Pr PİCĤPsPSPëPeP°C'' Cı PİCĤCıPrPSPµ PjPsP»PsPePs,
PİC—Pr CıP°Cı P·P°CıC,PSCıCıPİP°PSPSCİİ PİCĤPµPİP°CĤP°C,Cı CıP»C—Pr PİCĤPëPİPëPSPëC,Pë
PiPsPrCıPİP°PSPSCİİ PİCĤCıPrPrCĤ.

*P—PrP°C,PSC—CıC,CH PİPİP»PëPIP°C,Pë PSP° C€PİPëPrPeC—CıC,CH CĤPµP°PeCıC—C— PİCĤPë
PePµCĤCıPİP°PSPSC— P°PIC,PsC,CĤP°PSCıPİPsCĤC,PsPj P°P±Ps C—PSC€PëPjPë*

PjPμC...P°PSC-P·PjP°PjPë.

PμP°C†C-C°PSC,C-PI, CμPεC- PïCḡPëPNëPjP°CḡC,CH PḡCṛPePsPiPμPS, PSPμPsP±C...C-PrPSPs
PïPsPiPμCḡPμPrPëC,Pë PïCḡPs C,Pμ, C%Ps Cṛ PSPëC... PjPsP¶CṛC,CH PIPëPSPëPeP°C,Pë
P·P°PïP°PjPsCḡPsC†PμPSPSC¶, CṛPsPSP»PëPIC-CṛC,CH C- C%Ps Cṛ C,P°PePëC...
PIPëPiP°PrPeP°C... C—Pj CṛP»C-Pr PIC-PrPjPsPIPëC,PëCṛC¶ PIC-Pr PePμCḡCṛPIP°PSPSC¶
P°PIC,PsC,CḡP°PSCṛPiPsCḡC,PsPj, CḡPsP±PsC,Pë P· PjPμC...P°PSC-P·PjP°PjPë, P° C,P°PePsP¶
PIC-Pr P·P°PSC¶C,CH C-PSCεPëPjPë PIPëPrP°PjPë PrC-CμP»CHPSPsCṛC,C-, C%Ps
PïPsC,CḡPμP±CṛCḡC,CH PïC-PrPIPëC%PμPSPsC— CṛPIP°PiPë C- CεPIPëPrPePsC—
CḡPμP°PeC†C-C—.

PŸPïPsCṛC-P± P·P°CṛC,PsCṛC¿PIP°PSPSC¶ C,P° PrPsP·Pë.

PŸP°P±P»PμC,PePë PïCḡPëPNëPjP°C,Pë PIPSCṛC,CḡC-CεPSCḡPs, P·P°PïPëPIP°CḡC†Pë
PSPμPIPμP»PëPePsCḡ PeC-P»CHPeC-CṛC,CH CḡC-PrPëPSPë, PïPs 1 C,P°P±P»PμC,C†C- (100
PjPi) 3 CḡP°P·Pë PSP° PrPsP±Cṛ.

PḡCṛCḡCṛ P»C-PeCṛPIP°PSPSC¶ CṛC,P°PSPsPIPëC,CH 2-4 C,PëP¶PSC-, Cṛ CḡP°P·C-
PSPμPsP±C...C-PrPSPsCṛC,C- PjPsP¶Pμ P±CṛC,Pë PïPsPrPsPIP¶PμPSPëPNë PrPs
B B B B B B B B B 8 C,PëP¶PSC-PI.

P°C-C,Pë.

PμCḡPμPïP°CḡP°C, PSPμ PïCḡPëP·PSP°C†P°C,Pë PrC-C,CμPj, PsCṛPeC-P»CHPePë
PrPsCṛP»C-PrP¶PμPSPSC¶ C%PsPrPs P·P°CṛC,PsCṛCṛPIP°PSPSC¶ PïCḡPμPïP°CḡP°C,Cṛ Cṛ
C†C-PNë PIC-PePsPIC-PNë PïCḡCṛPïC- PSPμ PïCḡPsPIPsPrPëP»PëCṛC¶.

PμPμCḡPμPrPsP·C¿PIP°PSPSC¶.

P°PsC,PμPïPμCḡ PSPμ CṛPïPsCṛC,PμCḡC-PiP°P»PsCṛC¶ PIPëPiP°PrPeC-PI
PïPμCḡPμPrPsP·CṛPIP°PSPSC¶ CḡPμP±P°PjC-PïC-PrCṛ.

PḡPsP¶P»PëPIC- PSCṛPrPsC,P°, P±P»CḡPIP°PSPSC¶, P±C-P»CH Cṛ P¶PëPIPsC,C-,
PrC-P°CḡPμC¶ P°P±Ps P·P°PiPsCḡ, PiPsP»PsPIPSPëPNë P±C-P»CH, PïPsCṛPëP»PμPSPSC¶
PïCḡPsC¶PIC-PI PïPsP±C-C†PSPëC... CḡPμP°PeC†C-PNë.

PJ CḡP°P·C- PïPμCḡPμPrPsP·CṛPIP°PSPSC¶ CṛP»C-Pr PïCḡPsPjPëC,Pë CεP»CṛPSPsPe C-
PïCḡPëP·PSP°C†PëC,Pë CṛPëPjPïC,PsPjP°C,PëC†PSCṛ C,PμCḡP°PiC-Cḡ.
PŸPïPμC†PëC,,C-C†PSPsPiPs P°PSC,PëPrPsC,Cṛ PSPμ C-CṛPSCṛC°.

PμPsP±C-C†PSC- CḡPμP°PeC†C-C—.

P—B P±PsPeC¿ PeCḡPsPIC- C,P° P»C-PjC,,P°C,PëC†PSPsC— CṛPëCṛC,PμPjPë:
P»PμPNëPePsPiPμPSC-C¶, C,CḡPsPjP±PsC†PëC,PsPiPμPSC-C¶,
PïCḡP°PSCṛP»PsC†PëC,PsPiPμPSC-C¶.

P— P±PsPeC¿ PiPμPiP°C,PsP±C-P»C-P°CḡPSPsC— CṛPëCṛC,PμPjPë: PïPsCḡCṛCεPμPSPSC¶

C,,CfPSPeC†C-C— PīPμC‡C-PSPePë, P¶PsPIC,C†PSPëC†C†, PīC-PrPIPëC%PμPSPSC† C†C-PIPSC† PīPμC‡C-PSPePsPIPëC... C,,PμC†PjPμPSC,C-PI (P†P>Pŷ, P†PŷPŷ, P>Pα, PīP°PjP°PīP»C†C,P°PjC-P»C,C†P°PSC†C,,PμC†P°P·P°).

P— P±PsPeCž C€PeC-C†Pë C,P° PīC-PrC€PeC-C†PSPsC— PeP»C-C,PePsPIPëPSPë: C€PeC-C†PSC- PIPëC†PëPīP°PSPSC†, PeC†PSPiPëPIb†™ C†PSPeP°, PμPeP·PμPjPsPīPsPrC-P±PSC- PIPëC†PëPīP°PSPSC† PSP° C€PeC-C†C-, C†PIPμC†P±C-P¶, PSP°P±C†C†PePë.

PkPμPIC†PSP»PsPīC-C‡PSC- C†PSP·P»P°PrPë: PsPSC-PjC-PSPSC†, P·P°PīP°PjPsC†PμPSPSC†, C†PsPSP»PëPIC-C†C,CH.

P— P±PsPeCž C,C†P°PIPSPsPiPs C,C†P°PeC,Cž: P·P°PīPsC†Pë, P·PrC†C,C,C† P¶PëPIPsC,P°, PrC-P°C†PμC†, PSC†PrPsC,P°, P±P»C†PIP°PSPSC†, PīPμC‡C-C†, P±C-P»CH C,P° PIC-PrC‡C†C,C,C† C,C†P¶PePsC†C,C- C† P¶PëPIPsC,C-, PIC-PrC†PëP¶PeP°, PīPsC†C†C€PμPSPSC† C†PjP°PePsPIPëC... PIC-PrC‡C†C,C,C-PI.

P PμPīC†PSPPrCžPeC,PëPIPSC- C†PSP·P»P°PrPë: PīPsC†C€PμPSPSC† PjPμPSC†C,C†C†P°P»CHPSPsPiPs C†PëPeP»C† C† P¶C-PSPsPe, PSP°P±C†C†PeP»C-C†C,CH C,P° P±C-P»CH C† PjPsP»PsC‡PSPëC... P·P°P»PsP·P°C..., PīC-PSPμPePsPjP°C†C,C-C†, C-PSPrC†PeC†C-C† P»P°PeC,P°C†C-C—, PIC-PrC‡C†C,C,C† C†PμC†C†PμP±PëC,C,C†, PīP°C†C†C†PeP°, PīC†PëPīP»PëPIPë, PsPSC-PjC-PSPSC† C†P·PëPeP°, PeP°C€PμP»CH, C†PμC†PīC-C†P°C,PsC†PSPëPN PīPëC†C,C†PμC†.B

P†PSC€C-: C†PμP°PeC†C-C— PīC-PīPμC†C†C†C,P»PëPIPsC†C,C-, PīC-PrPIPëC%PμPSPSC† C†C-PIPSC† C†PμC†PsPIPëPSPë, PIC-PrC‡C†C,C,C† PeP»C†P±PeP° C† PīPsC†P»C-.

PŷPμC†PjC-PS PīC†PëPrP°C,PSPsC†C,C-. 3 C†PSPePë.

PjPjPsPIPë P·P±PμC†C-PīP°PSPSC†.

P—P±PμC†C-PīP°C,Pë PīC†Pë C,PμPjPīPμC†P°C,C†C†C- PSPμ PIPëC%Pμ 30 B°Pŷ PI PsC†PëPīC-PSP°P»CHPSC-PN C†PīP°PePsPIC†C-.

P—P±PμC†C-PīP°C,Pë C† PSPμPrPsC†C,C†PīPSPsPjC† PrP»C† PrC-C,PμPN PjC-C†C†C-.

PjPīP°PePsPIPëP°.

PμPs 10 C,P°P±P»PμC,PsPe C† C†C,C†PëPīC-, PīPs 3 C†C,C†PëPīPë PI PeP°C†C,PsPSPSC-PN C†PīP°PePsPIC†C-.

PŁP°C,PμPīPsC†C-C† PIC-PrPīC†C†PeC†. P—P° C†PμC†PμPīC,PsPj.

P'PëC†PSP±PSPëPe.

