

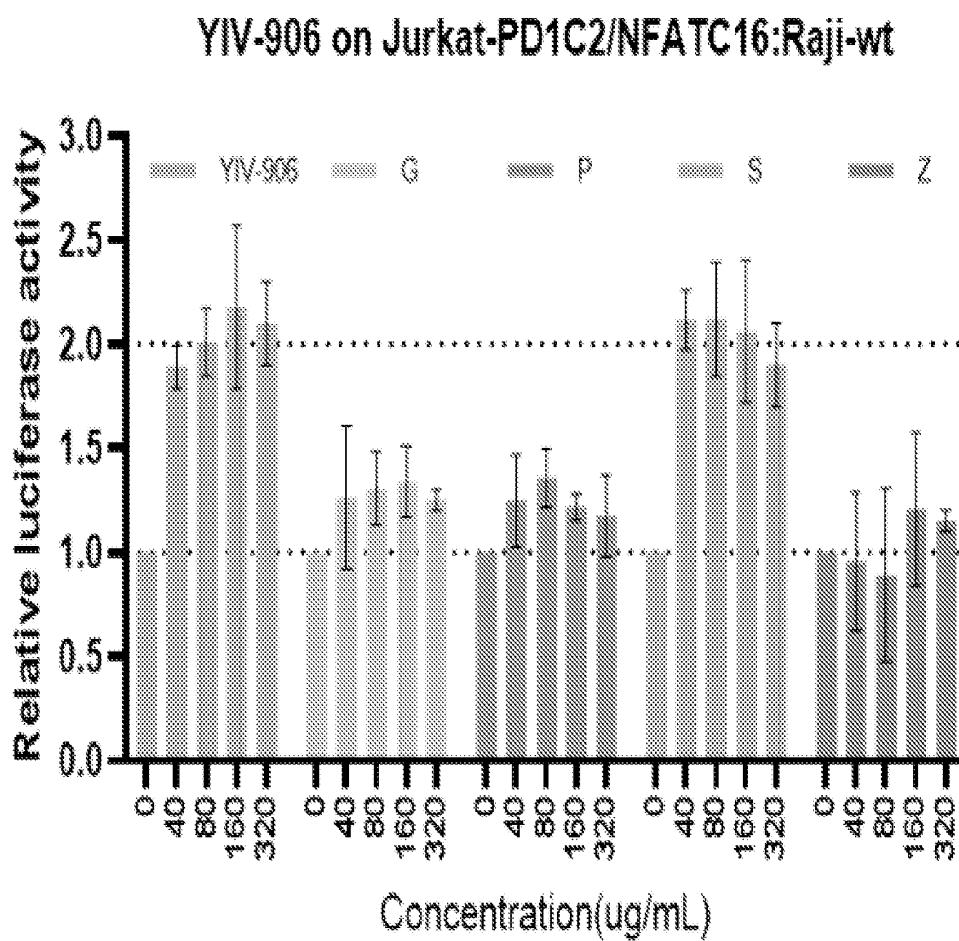


FIG. 1A

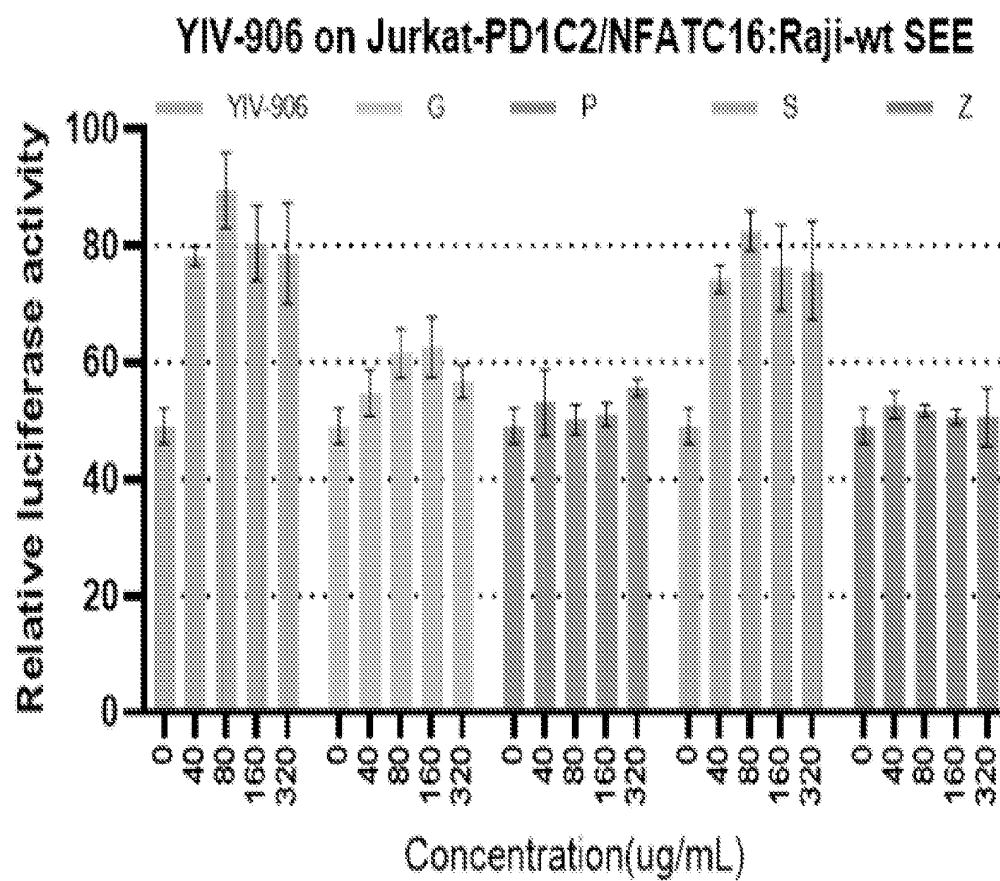


FIG. 1B

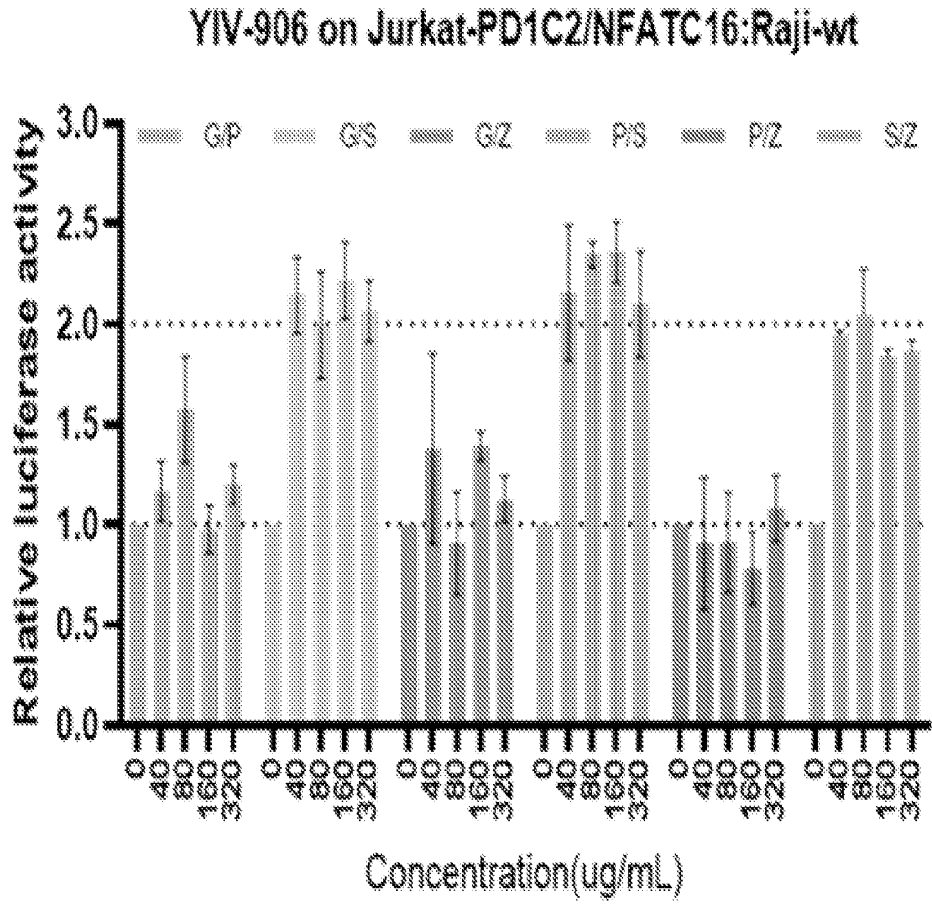


FIG. 1C

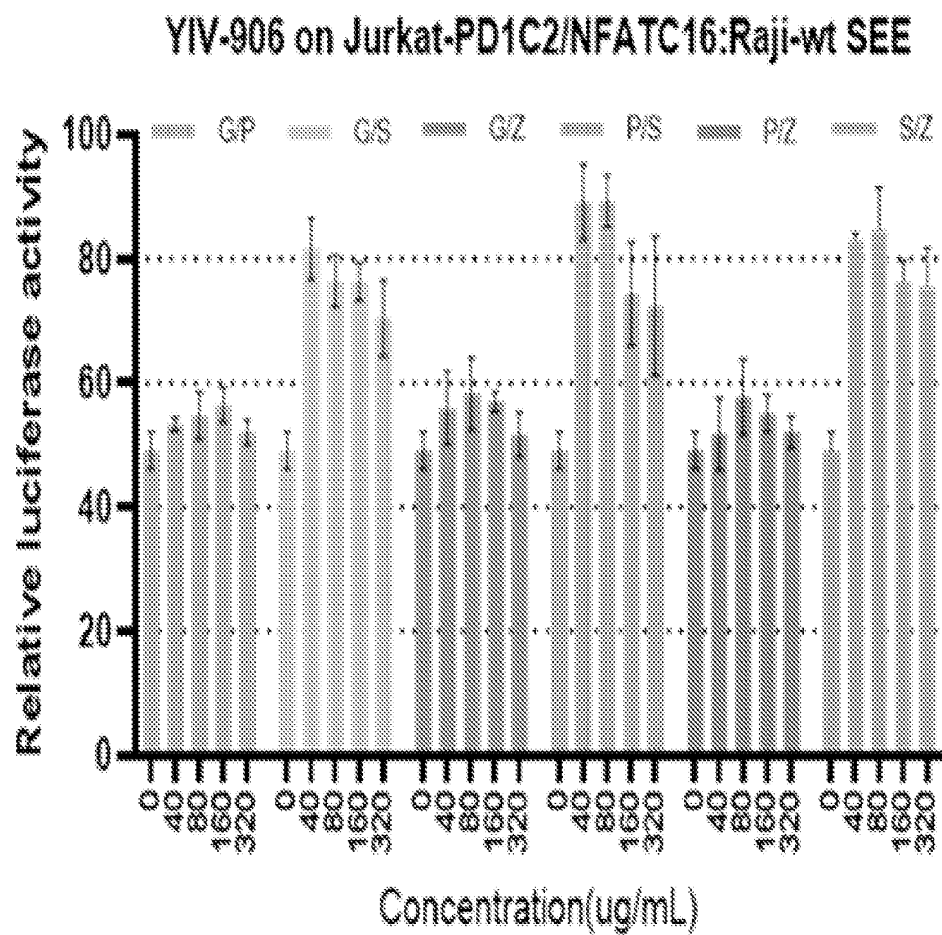


FIG. 1D

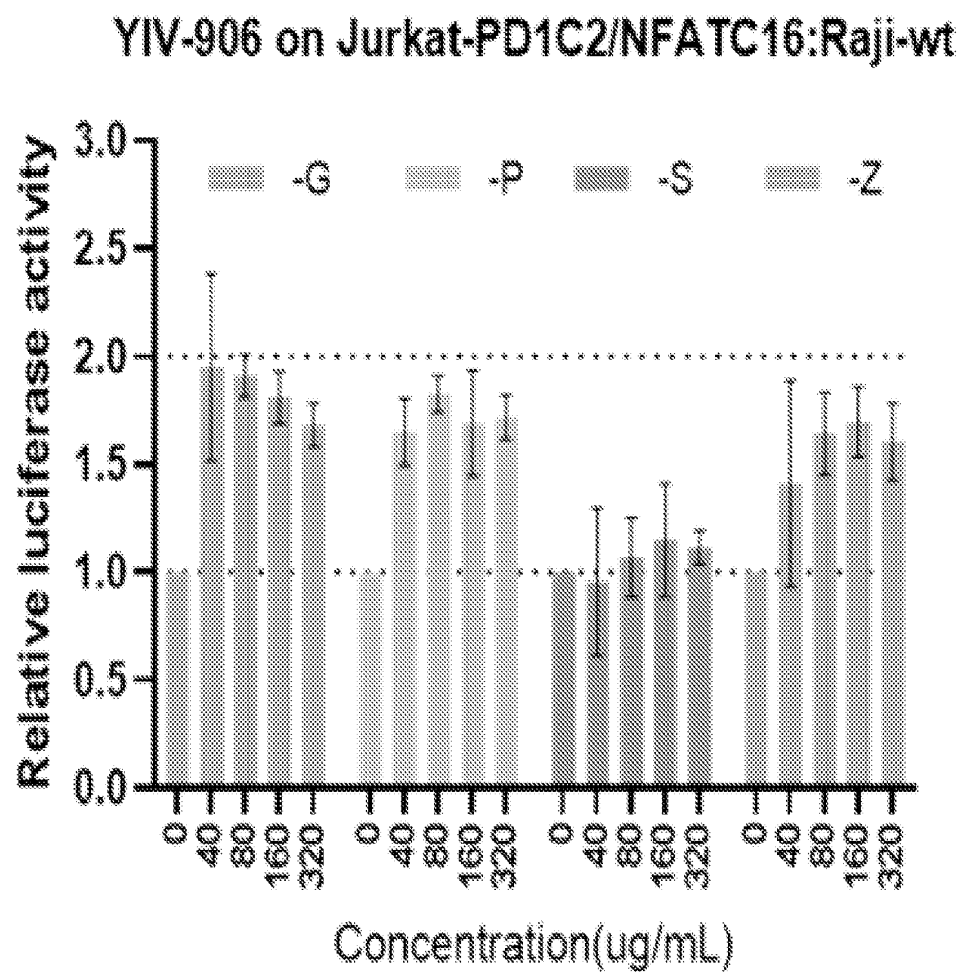


FIG. 1E

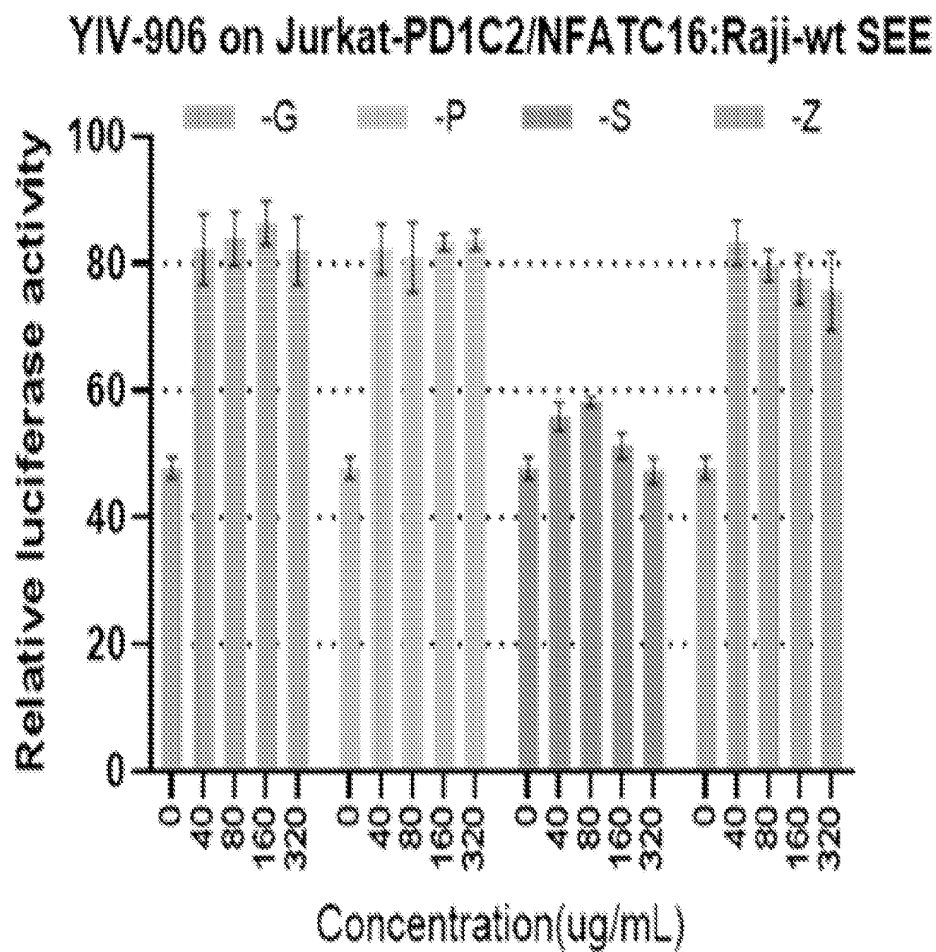


FIG. 1F

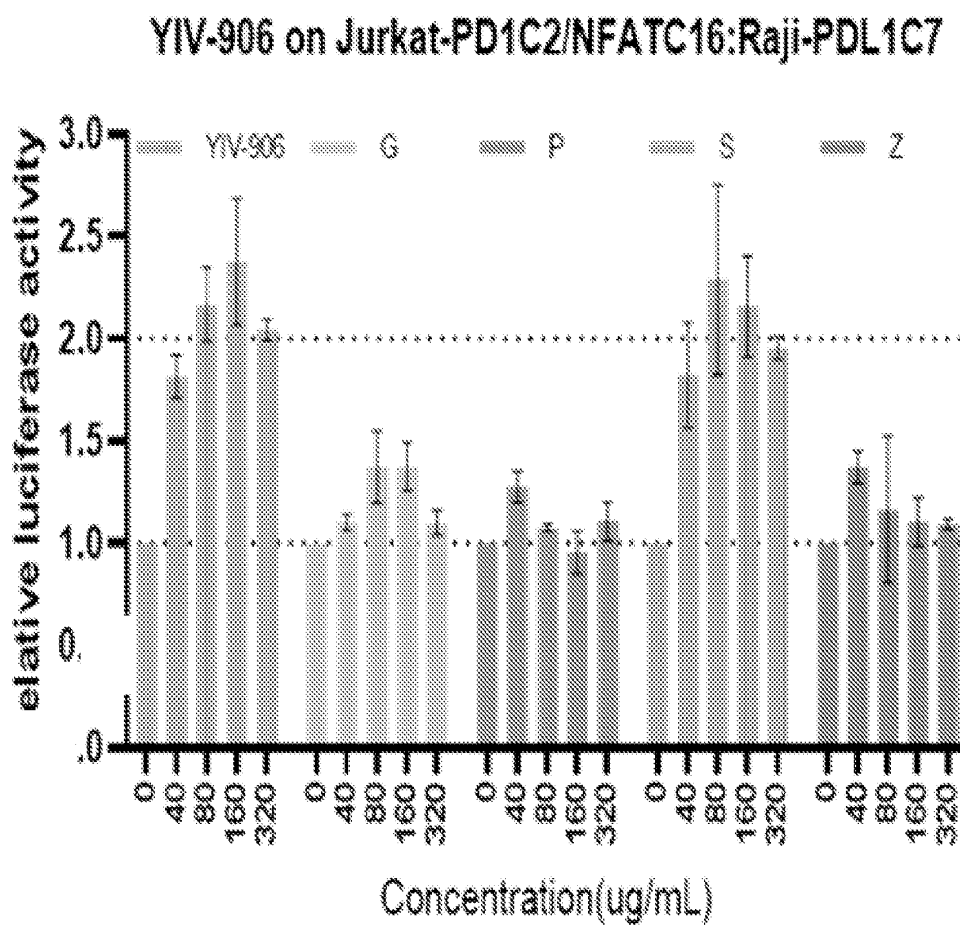


FIG. 2A

YIV-906 on Jurkat-PD1C2/NFATC16:Raji-PDL1C7 SEE

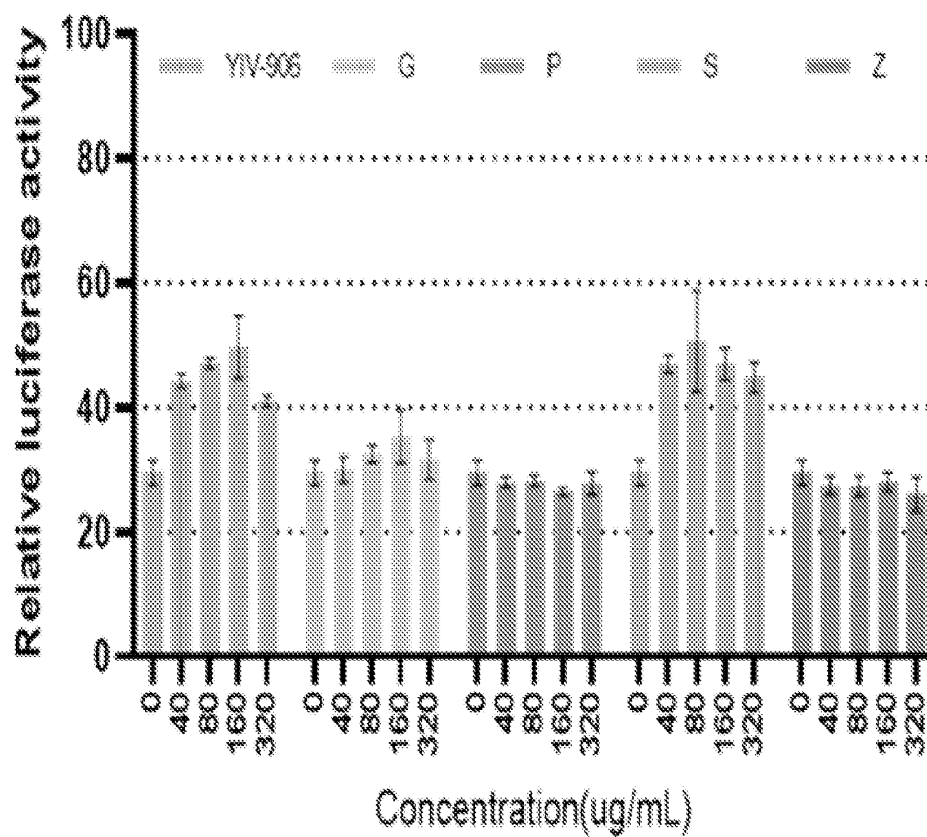


FIG. 2B

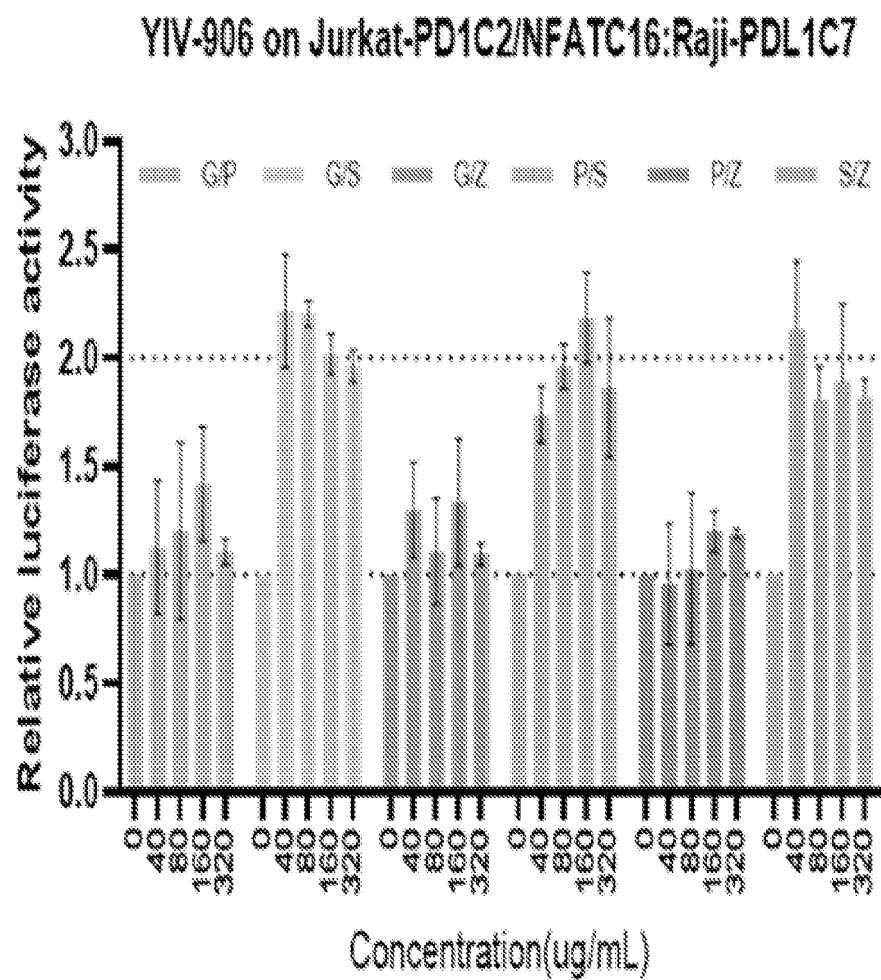


FIG. 2C

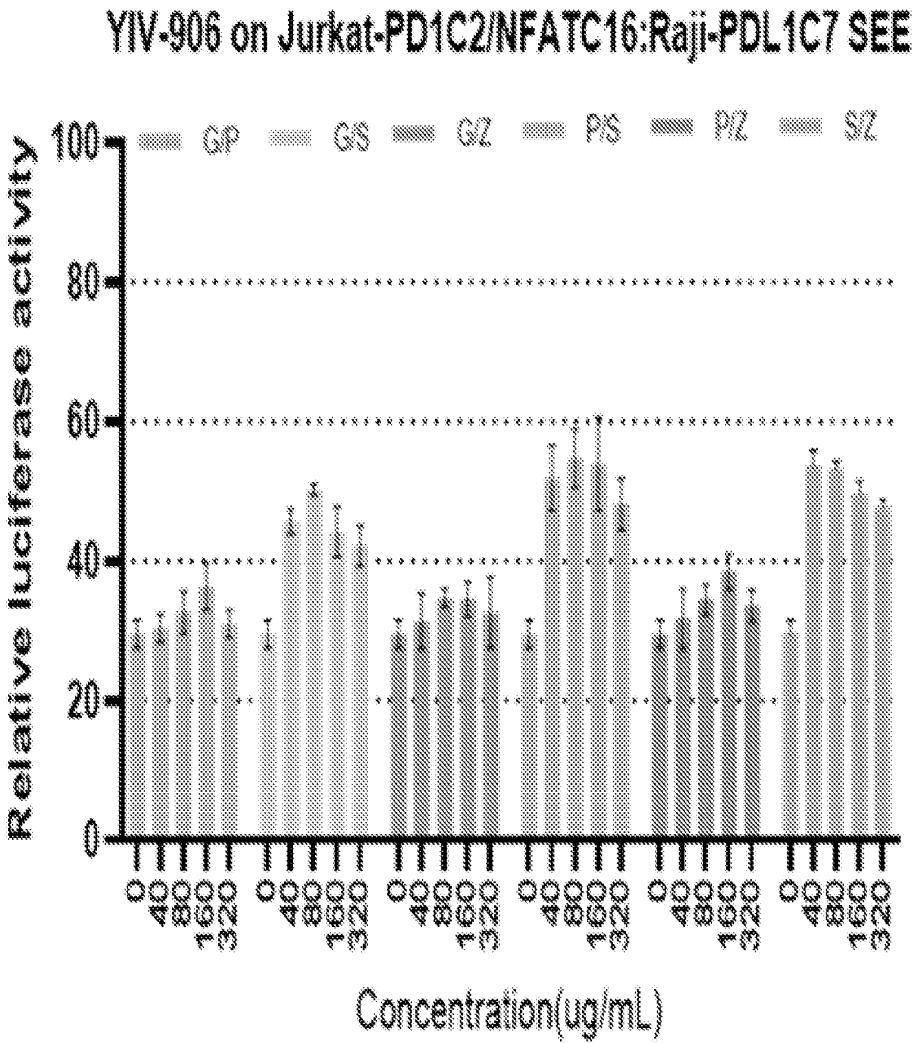


FIG.2D

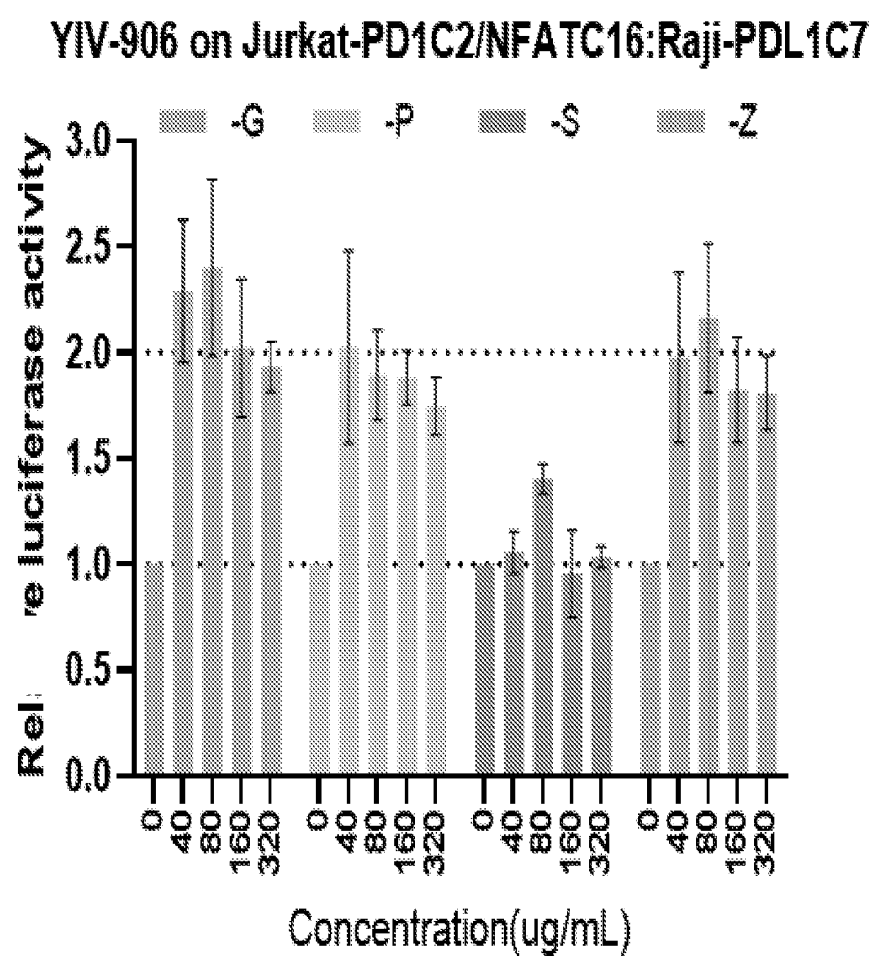
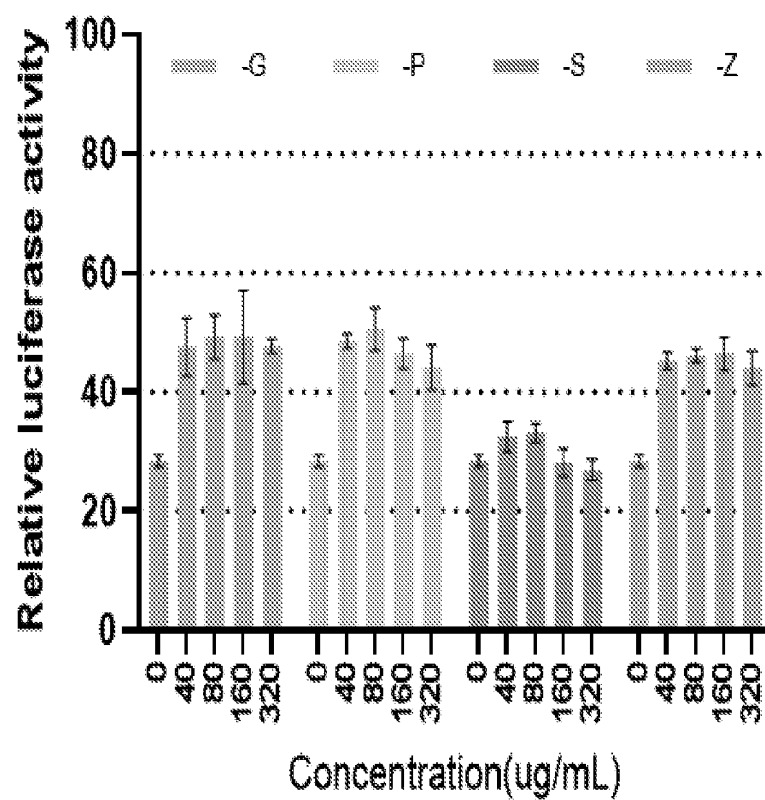


FIG. 2E

YIV-906 on Jurkat-PD1C2/NFATC16:Raji-PDL1C7 SEE**FIG. 2F**

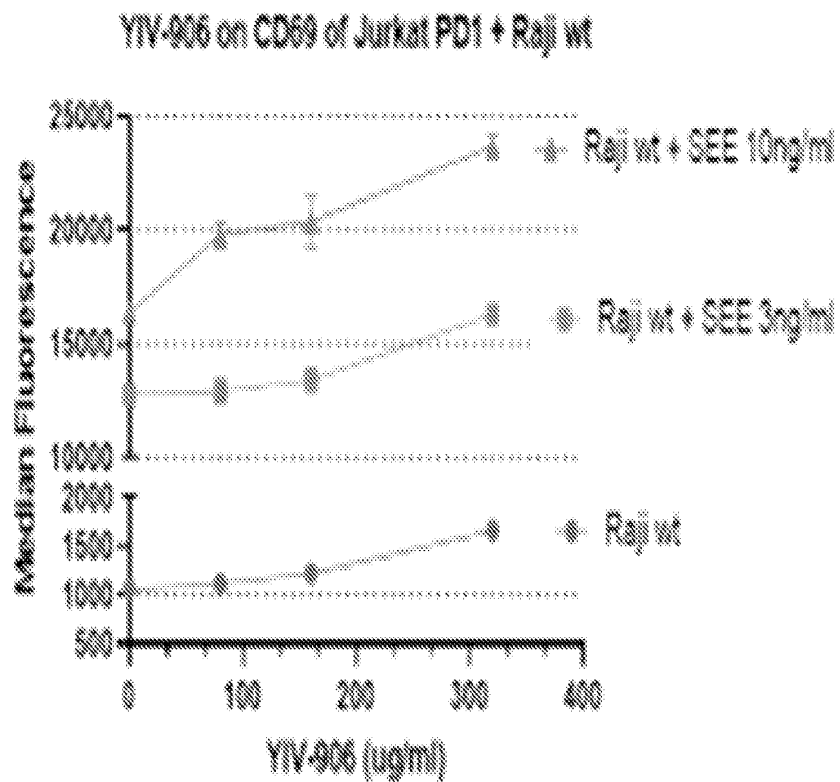


FIG. 3A

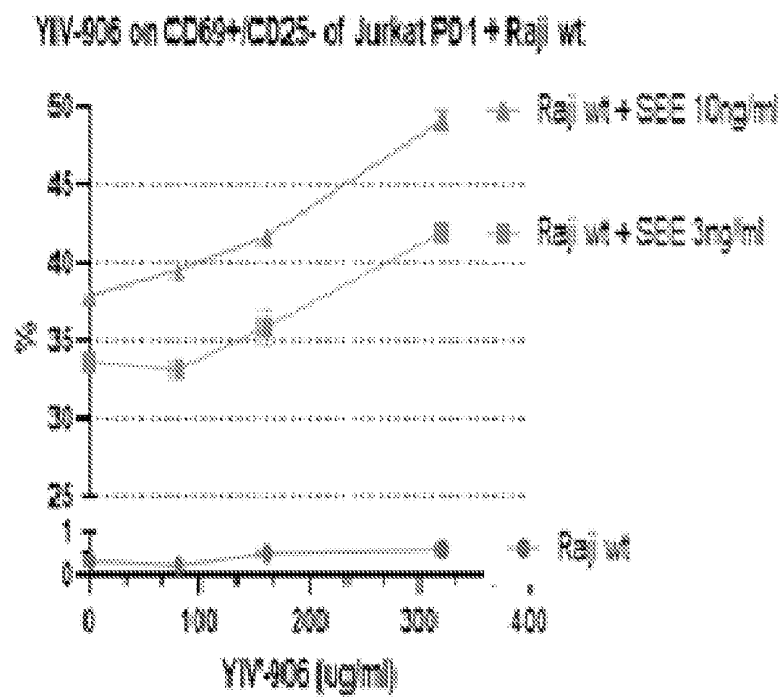


FIG. 3B

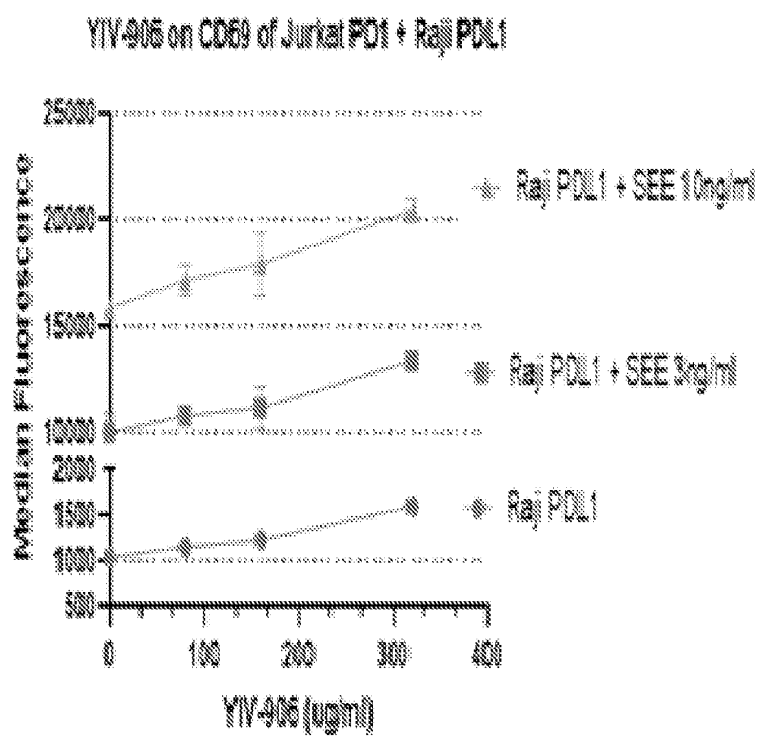


FIG. 3C

YIV-906 on CD69+CD25- of Jurkat PD1 + Raji PDL1

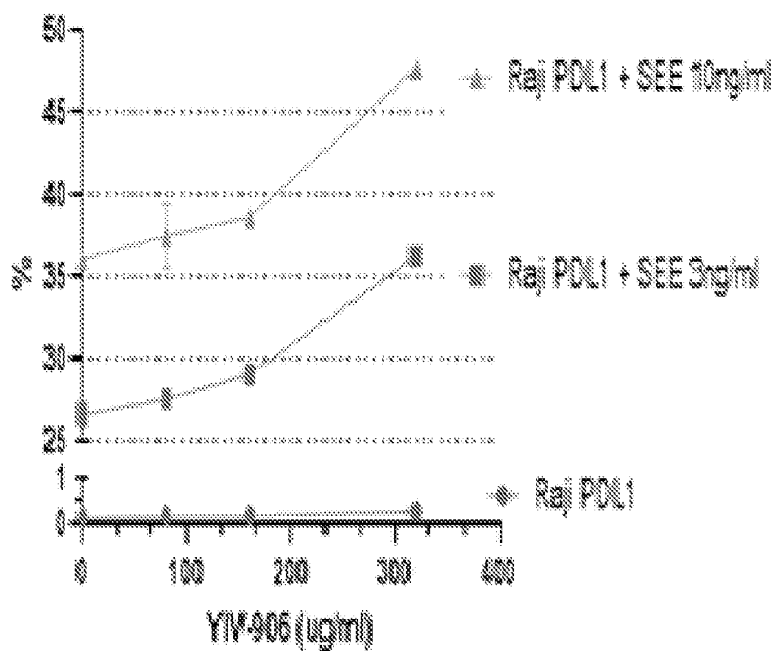


FIG. 3D

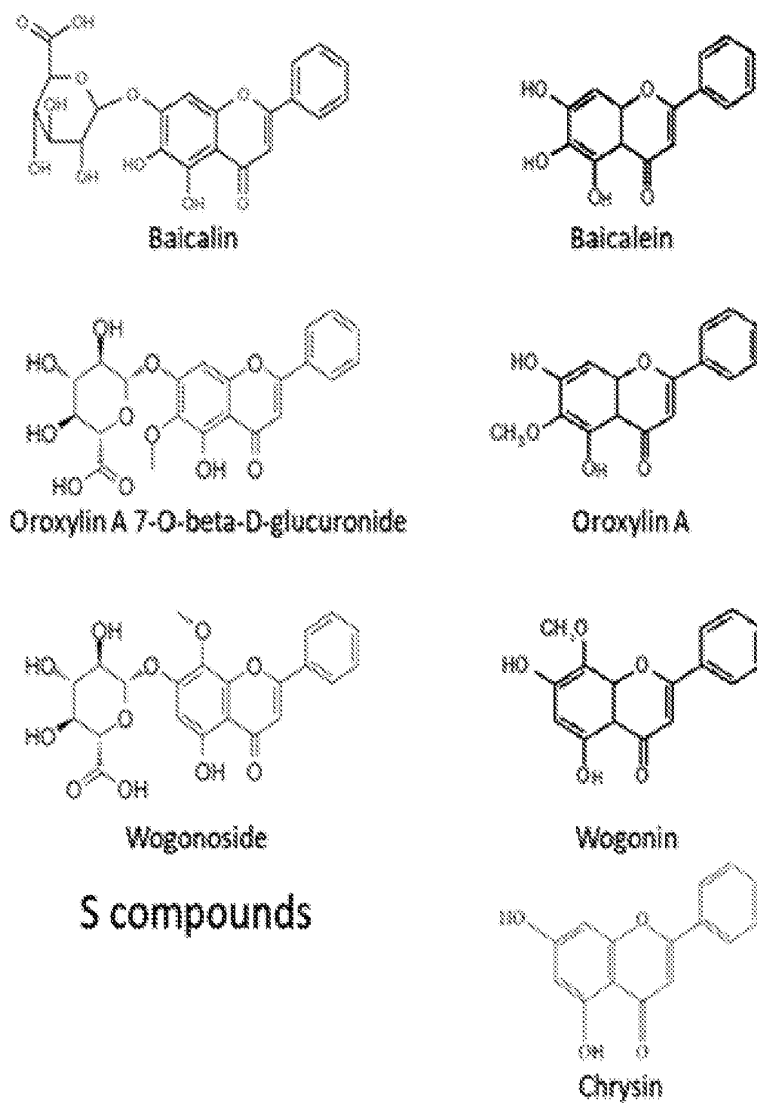
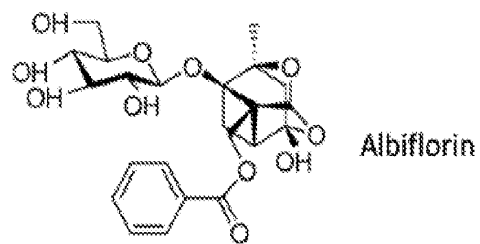
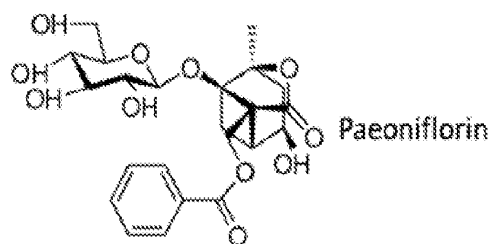


FIG. 4A

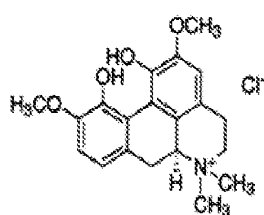


Albiflorin



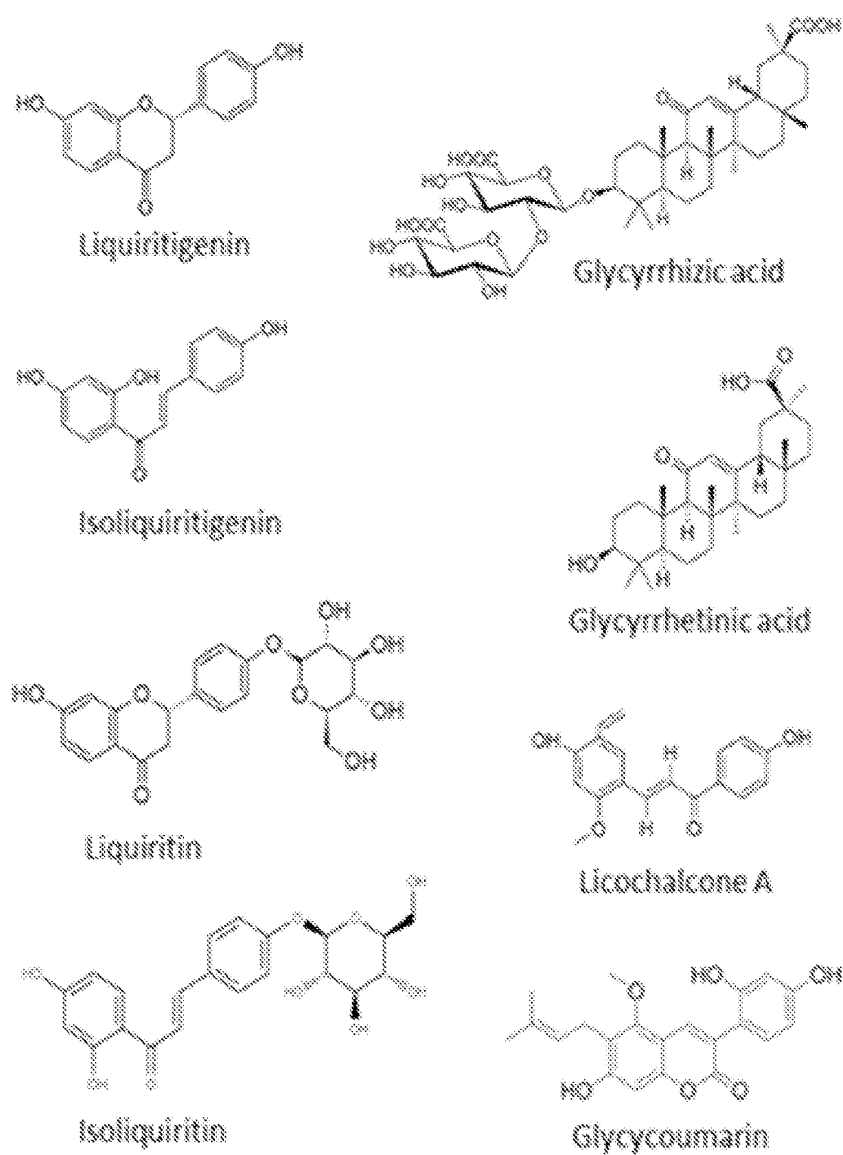
Paeoniflorin

P compounds
FIG. 4B



Magnoflorine

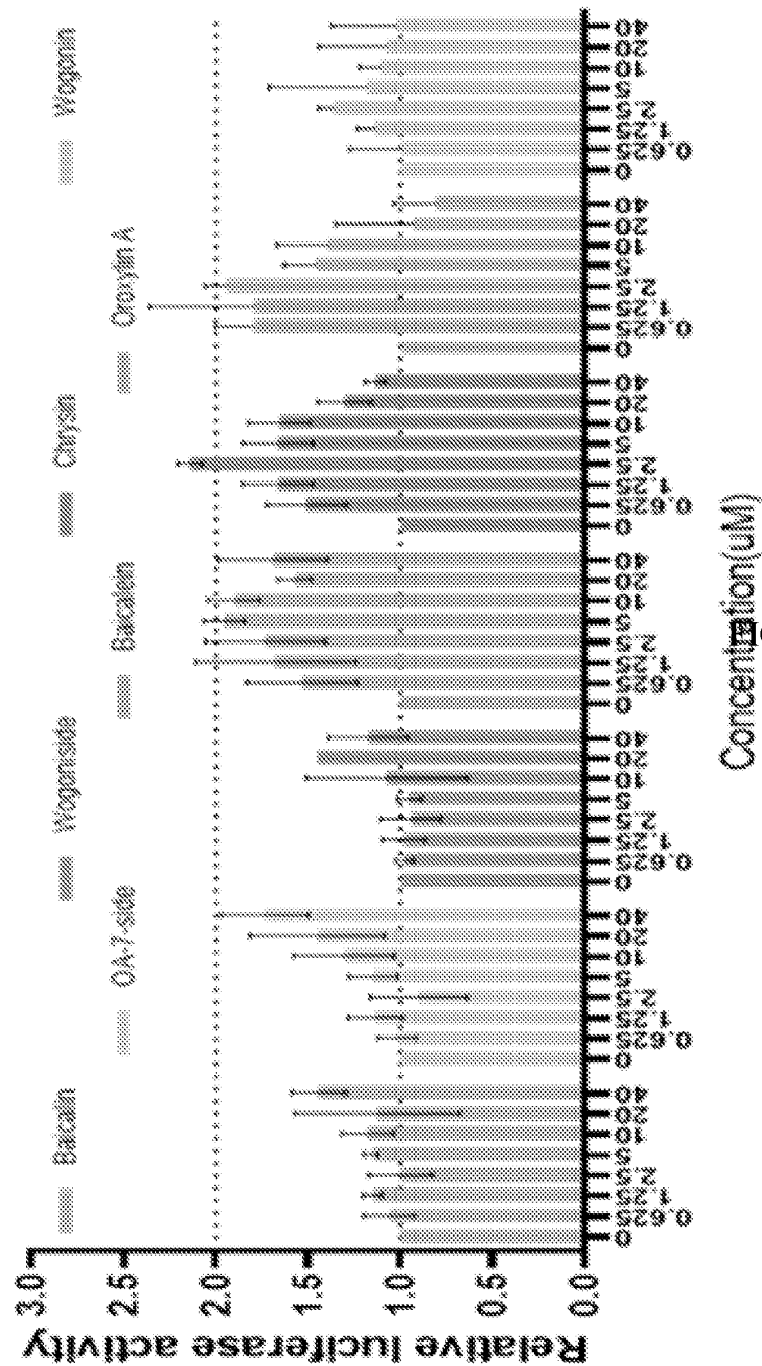
Z compound
FIG. 4C



G compounds

FIG. 4D

S compounds on Jurkat-PD1C2/NFATC16:Raji-wt



G. 5A

S compounds on Jurkat-PD1C2/NFATC16:Raji-wt SEE

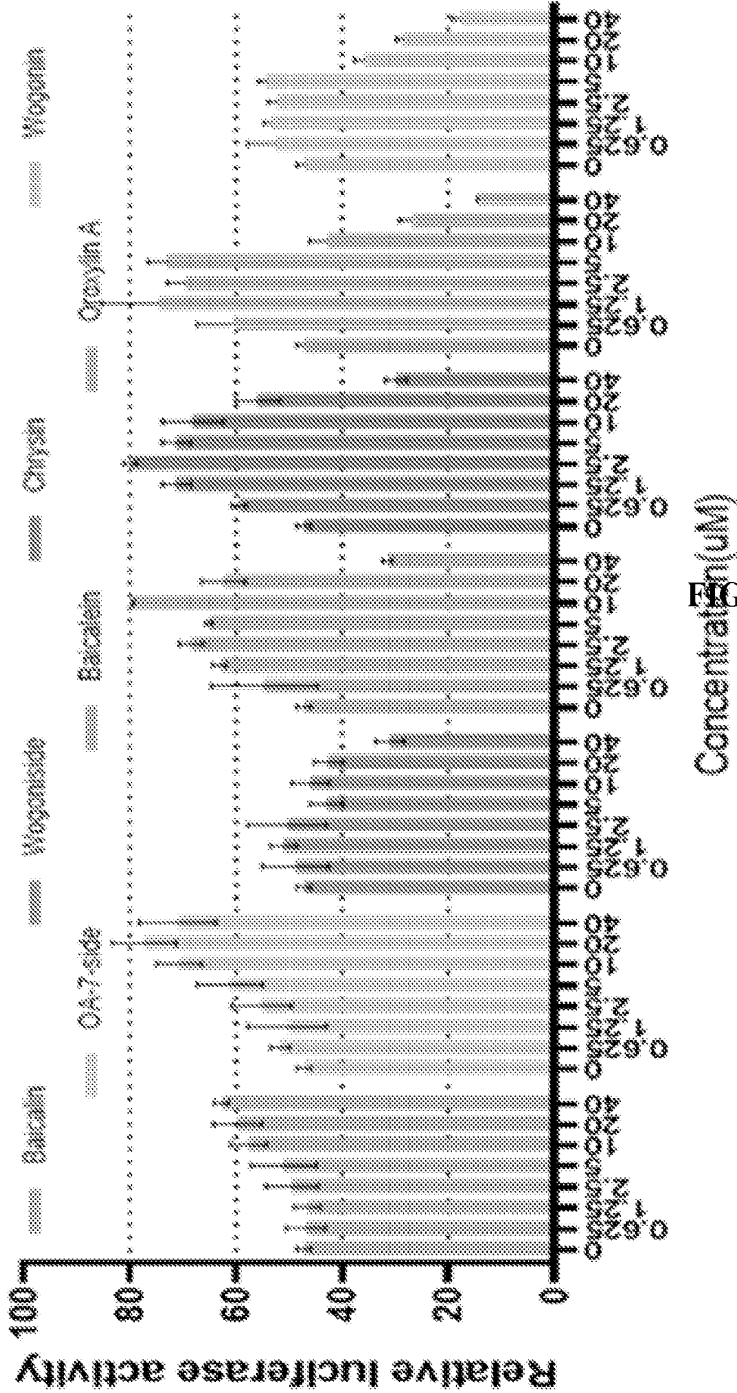


FIG. 5B

S compounds on Jurkat-PD1C2/NFA TC16:Raji-PDL1C7

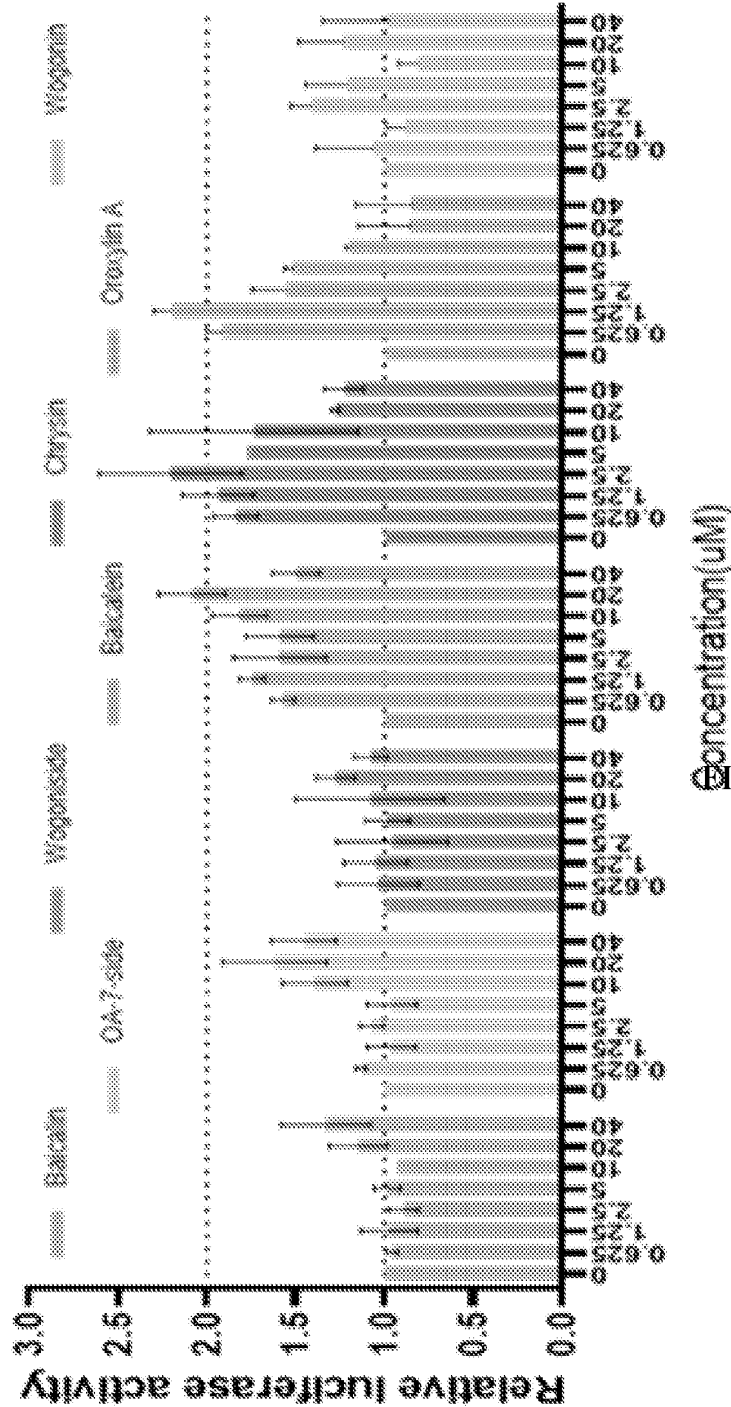
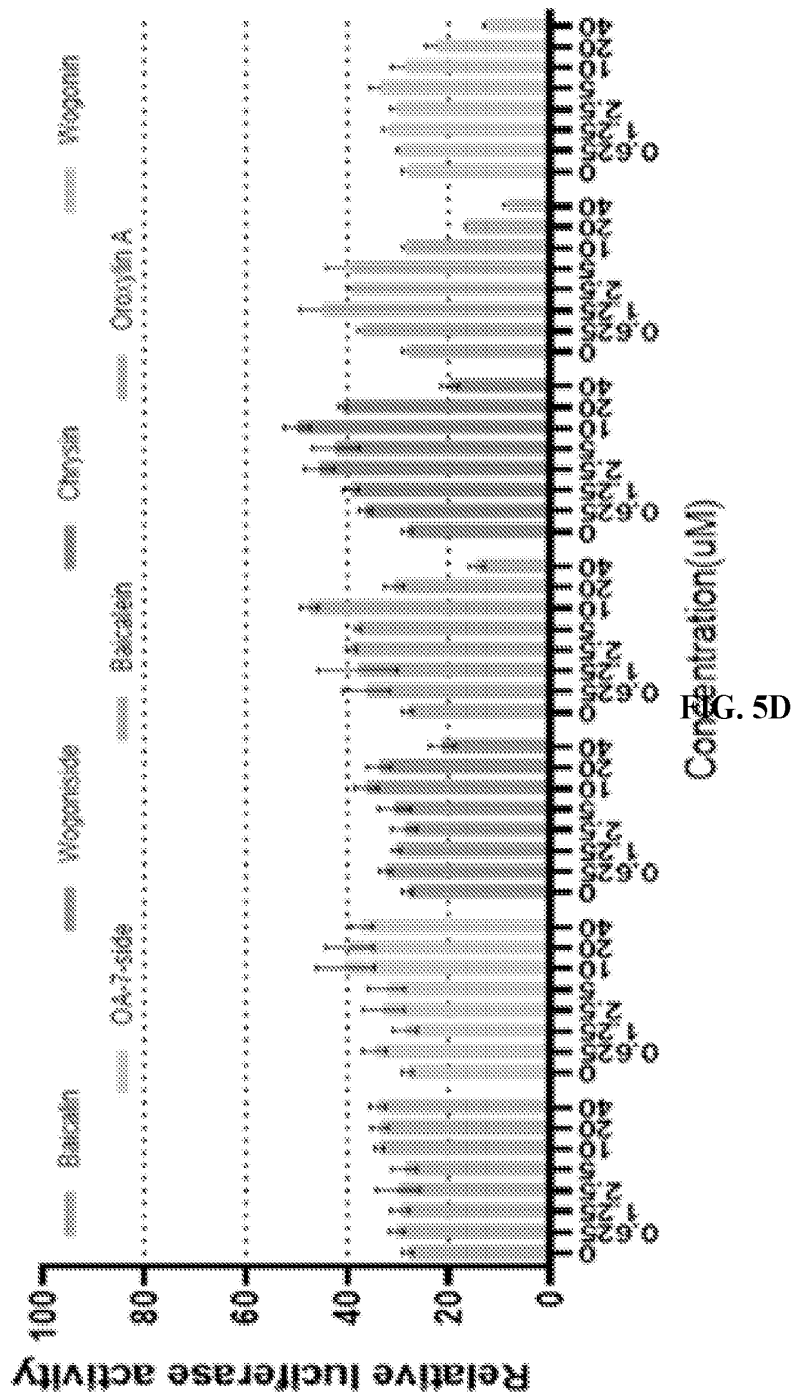


FIG. 5C

S compounds on Jurkat-PD1C2/NFATC16.Raji-PDL1C7 SEE



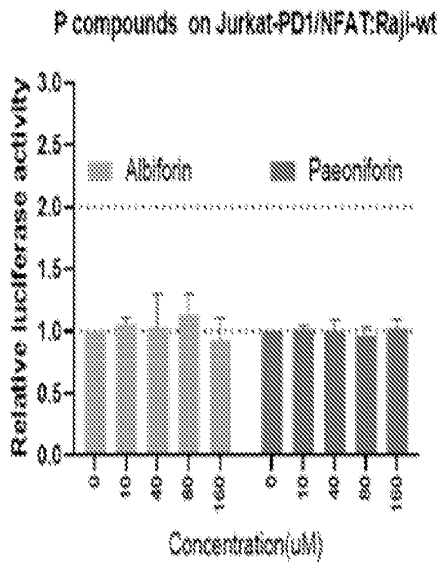


FIG. 5E

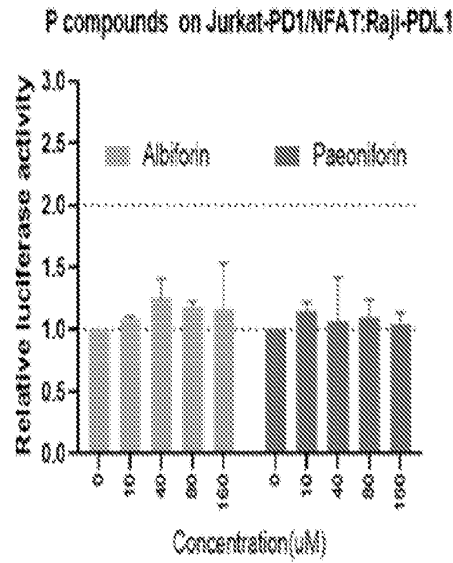


FIG. 5G

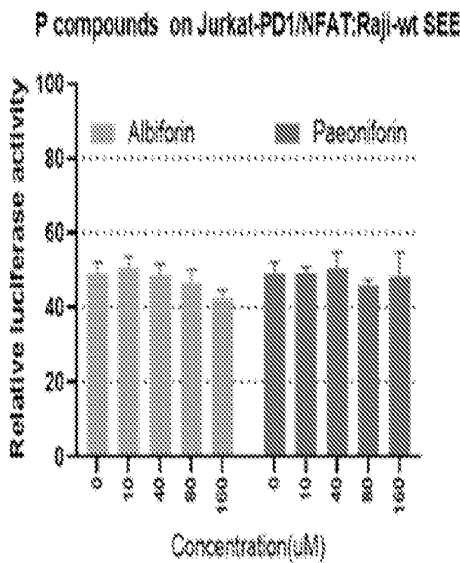


FIG. 5F

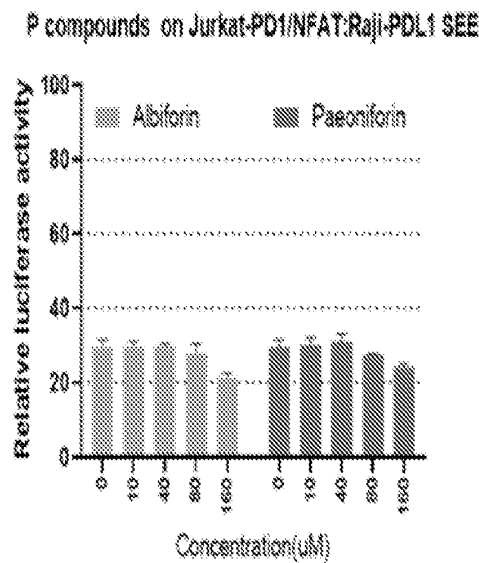
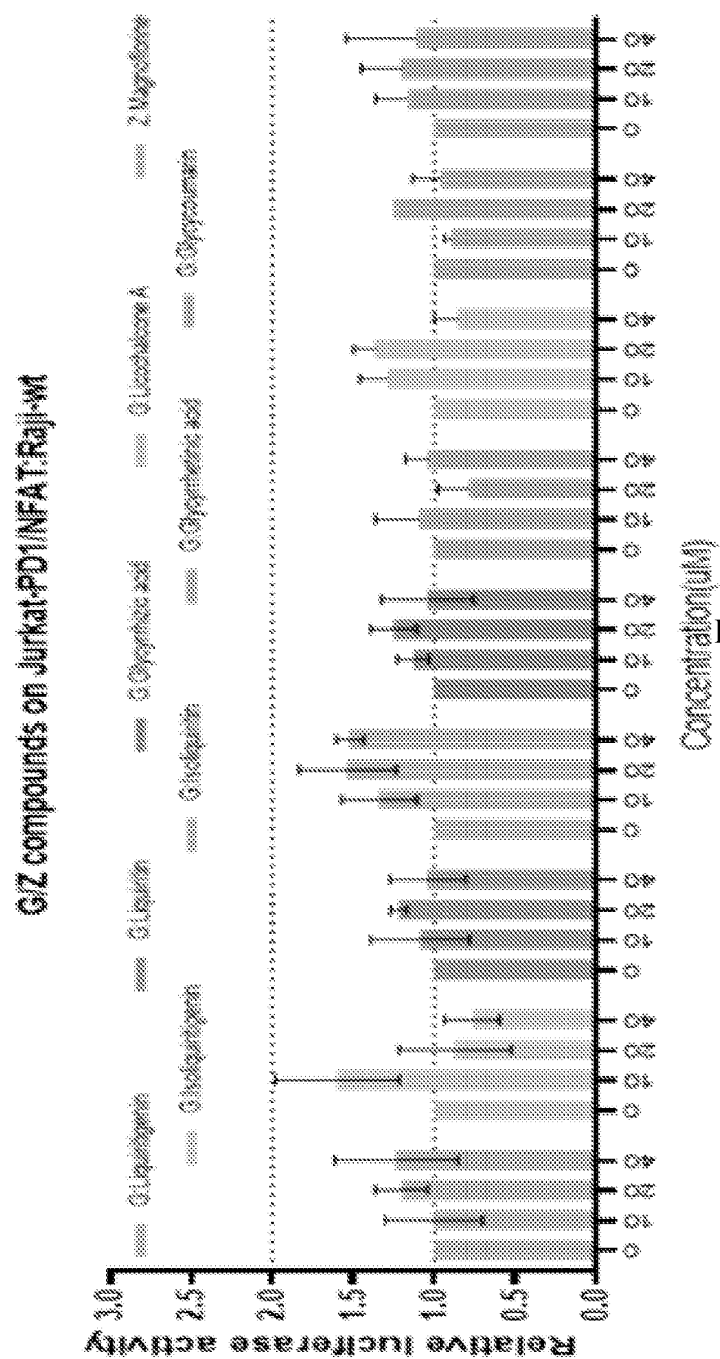
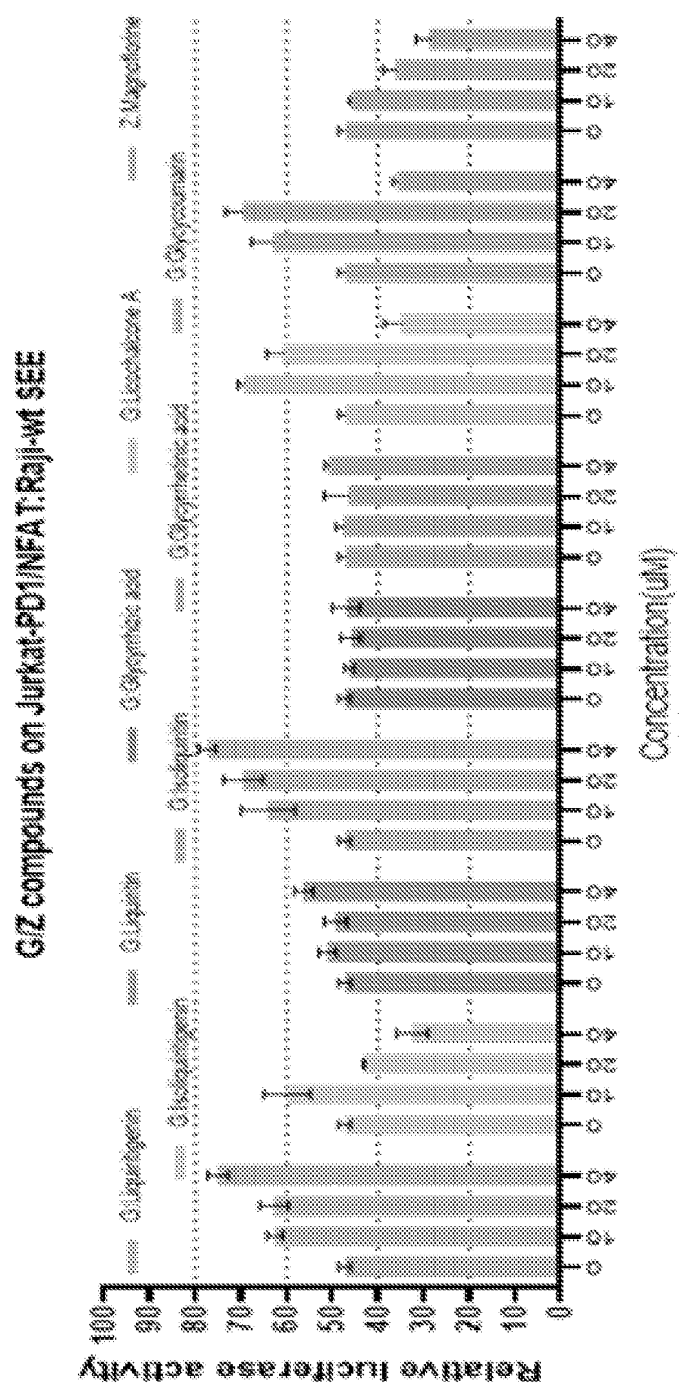


FIG. 5H





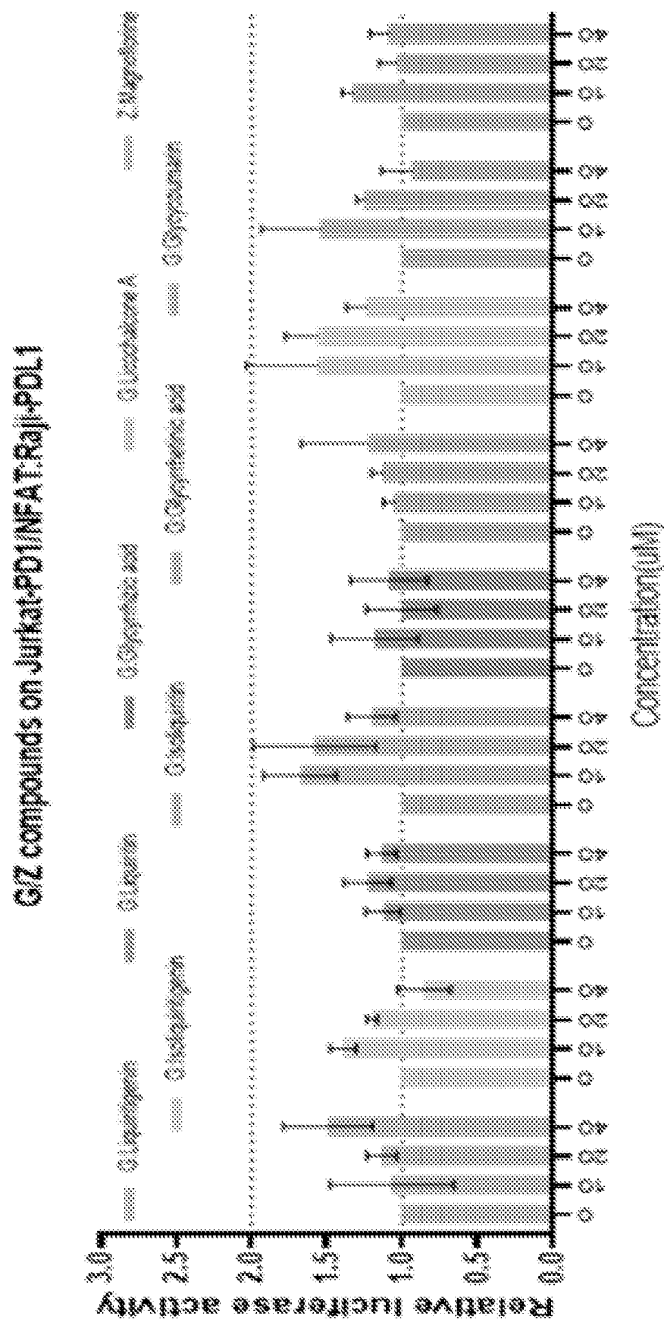
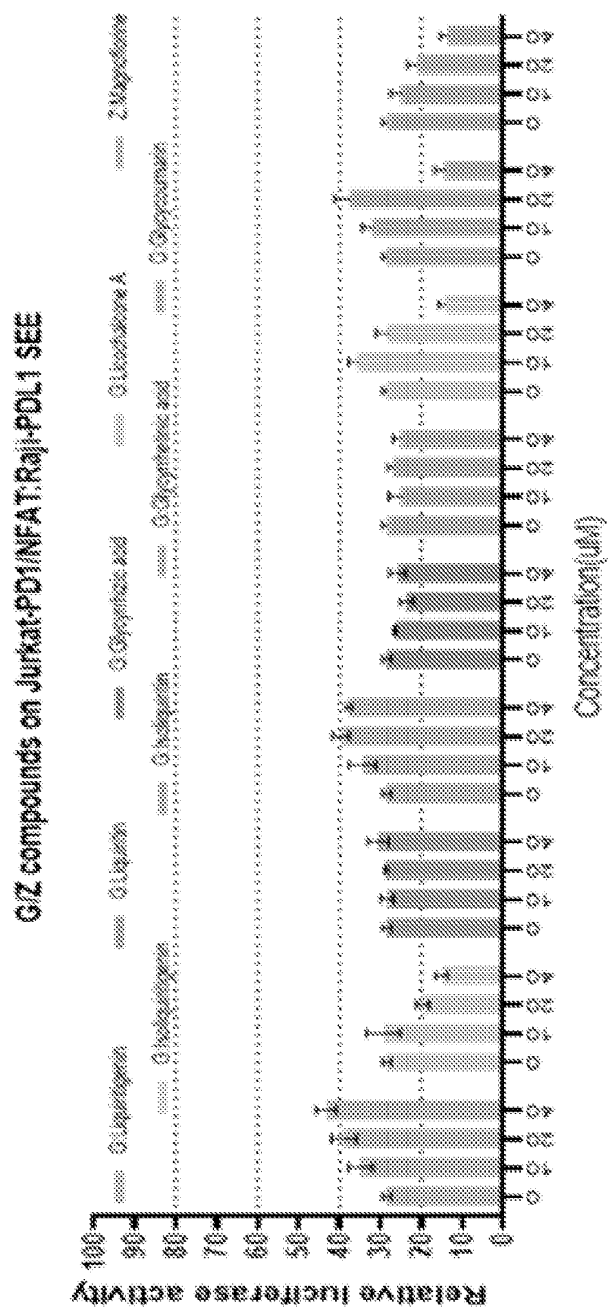


FIG. 6C



Jurkat-PD1 cells

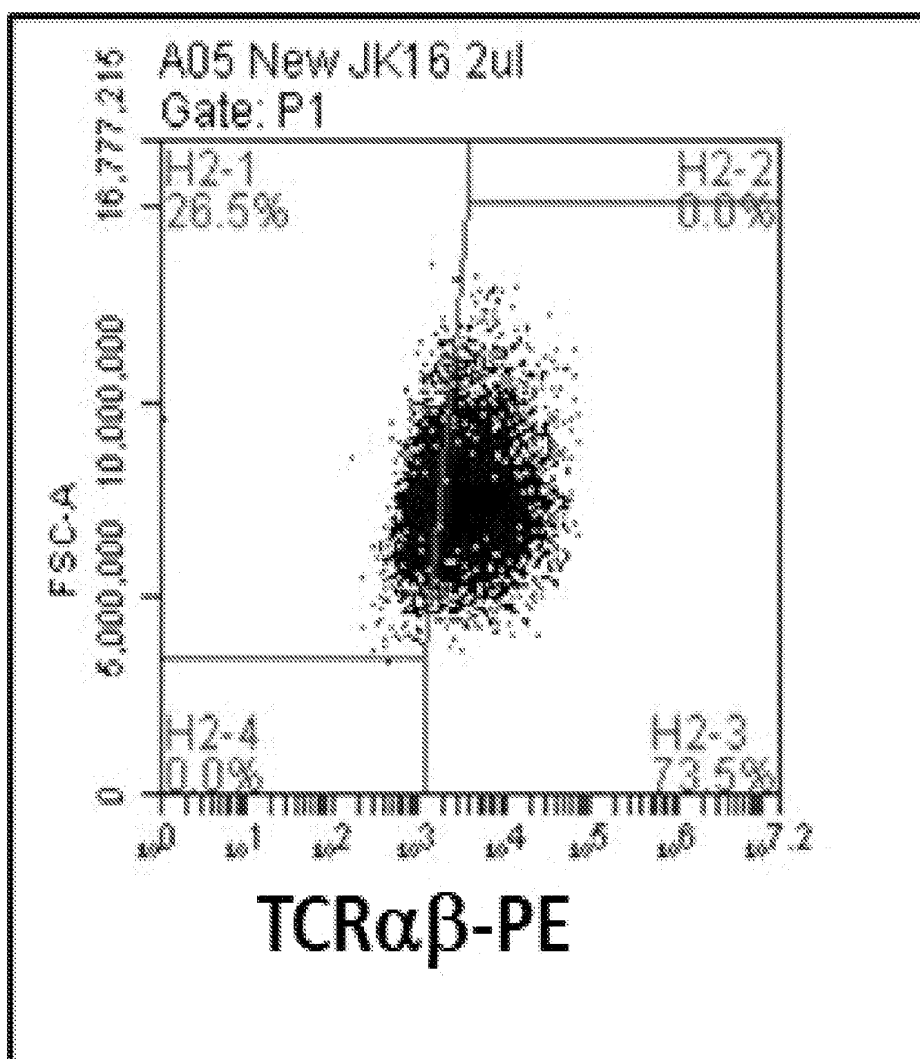


FIG. 7A

Jurkat-PD1 TCR $\alpha\beta$ -KO cells

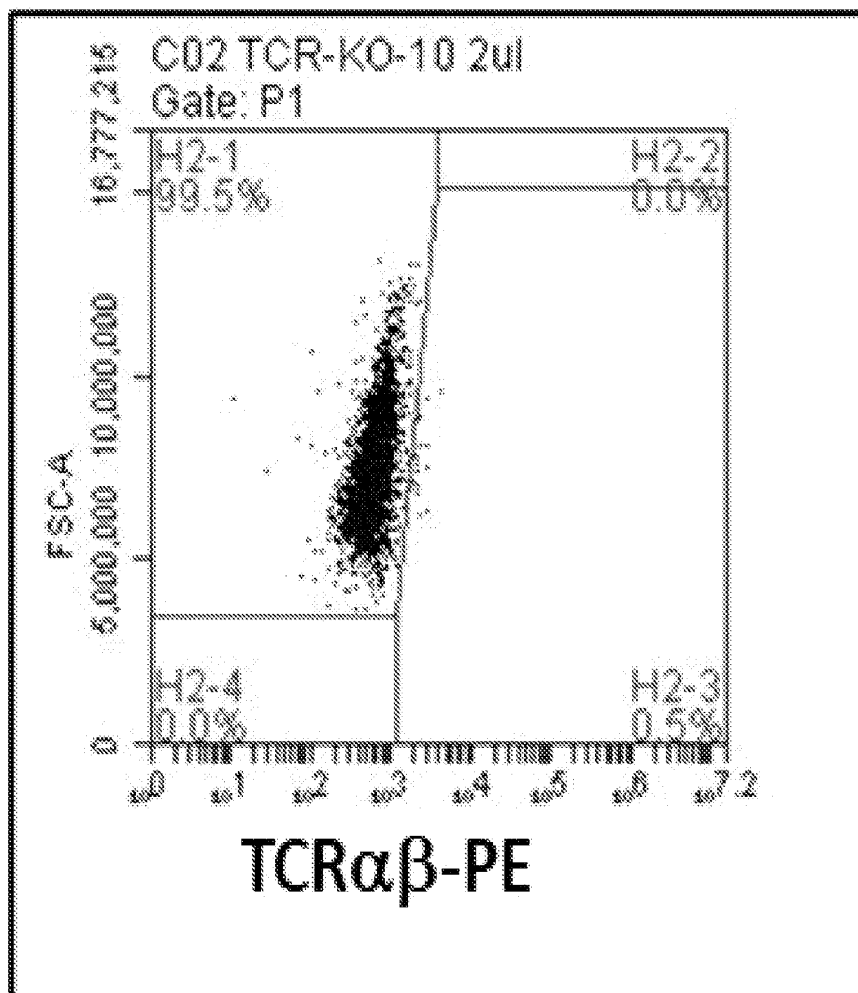


FIG. 7B

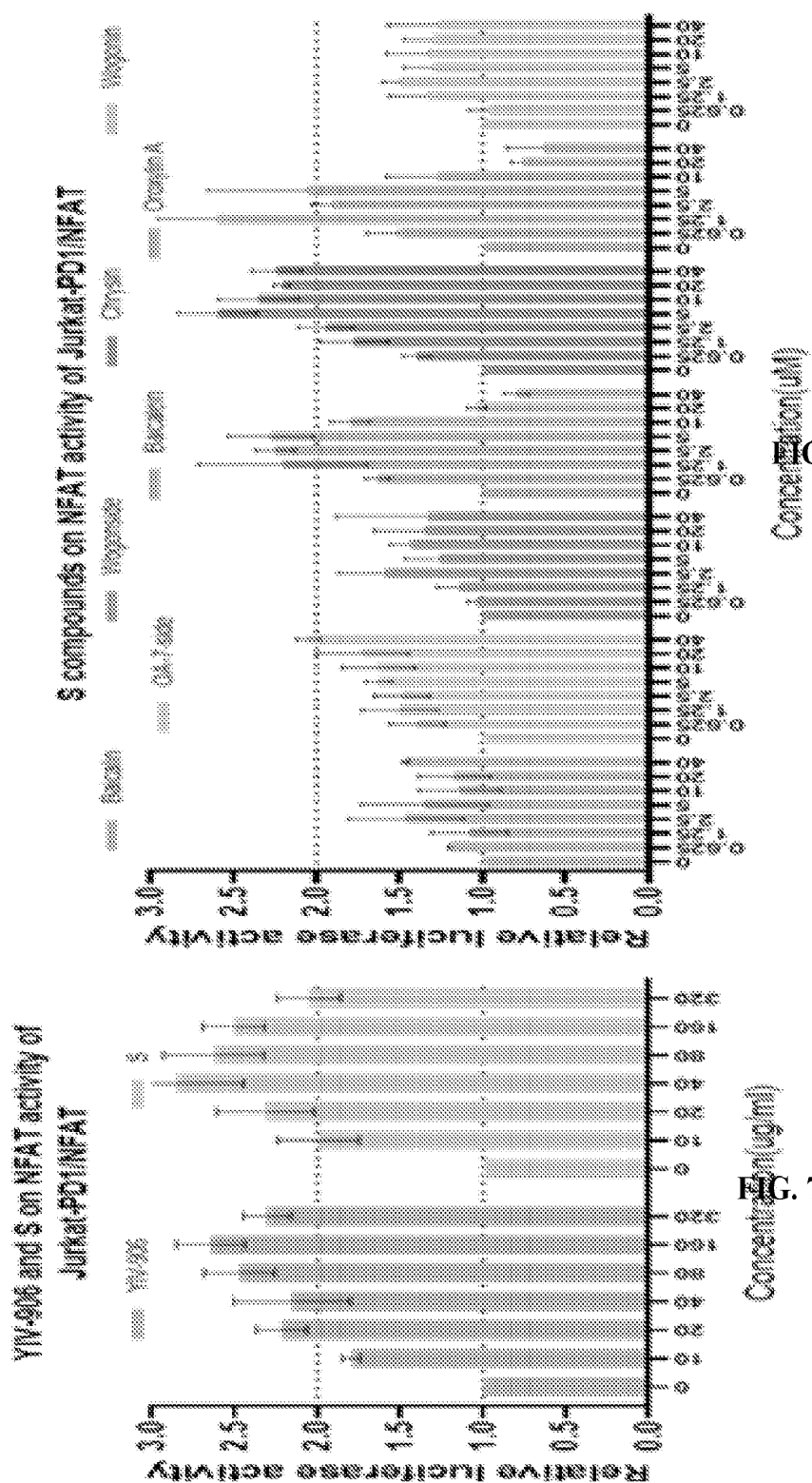


FIG. 7D

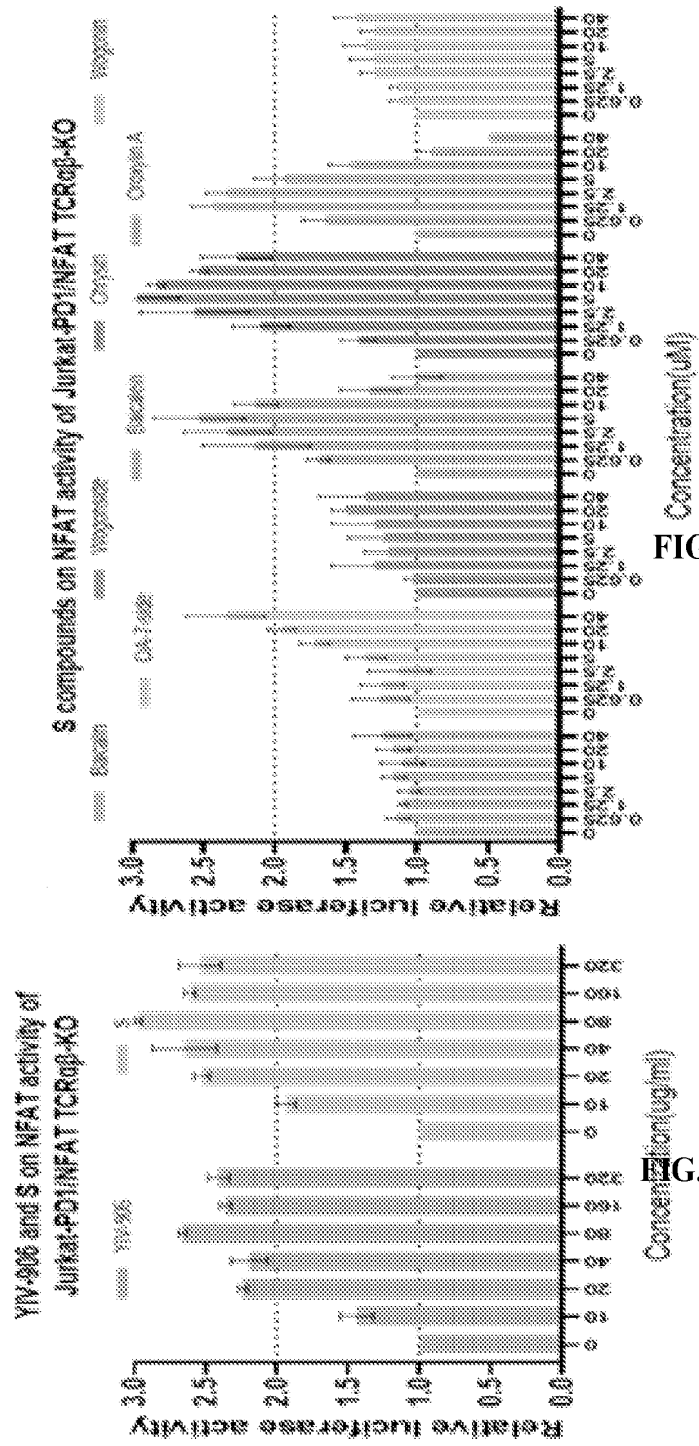
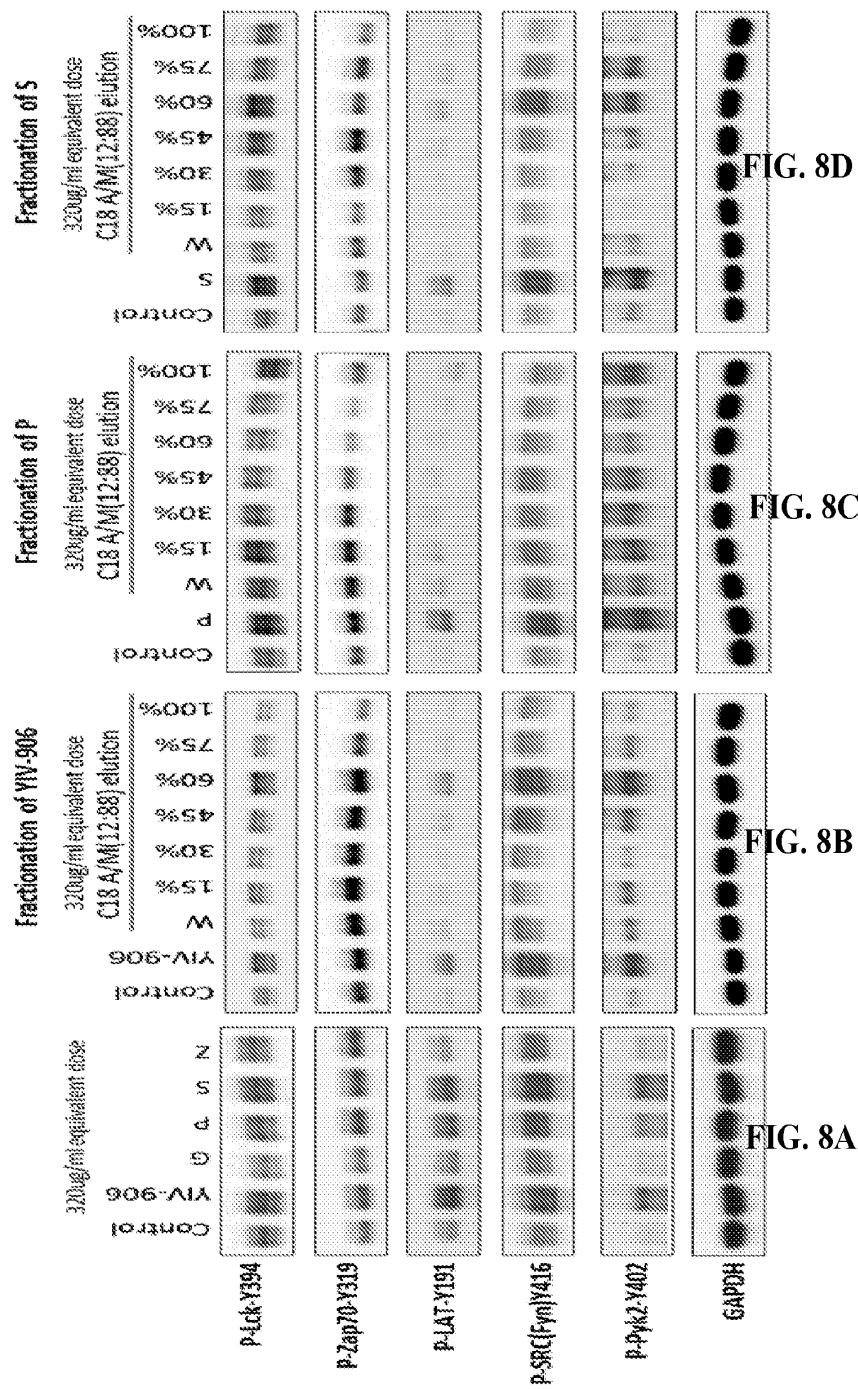


FIG. 7F

FIG. 7E



C18 column fraction									
Protein phosphorylation	pH	Water	10%AM	20%AM	40%AM	60%AM	75%AM	90%AM	100%AM
		Gluc acid	4-O-methyl- phenol	Gluc acid	Gluc acid				
			4-O-methyl- phenol	Phenol	Phenol				
			4-O-methyl- phenol acetate	4-O-methyl- phenol acetate					
Lys	0.1M								0.1M
Tris	0.1M								
Tris	0.1M								
Tris	0.1M								
Tris	0.1M								

FIG. 9A

Cellular Fraction									
Protein Phosphorylation	S	Time							
		0min	15min	30min	45min	60min	75min	100min	
Lck	↑								
Zap70	↓								
Lck	↑								
Fyn/Yes	↓								
p42	↑								

FIG. 9B

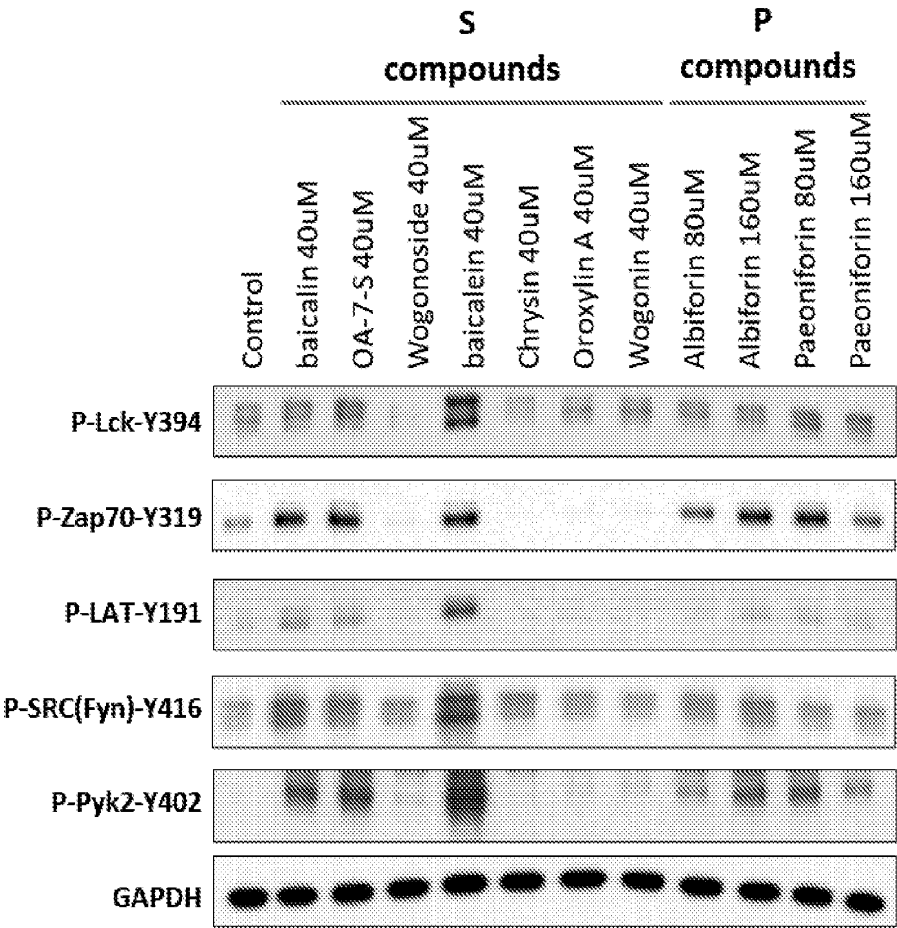


FIG. 10

Effect of YIV-906 on SHP2 activity

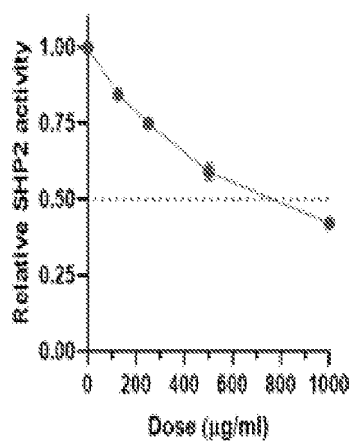


FIG. 11A

Effect of YIV-906 and its component herbs on SHP2 activity

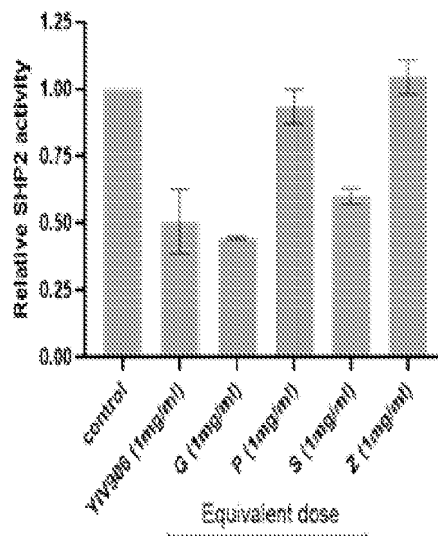


FIG. 11B

Effect of G compounds on SHP2 activity

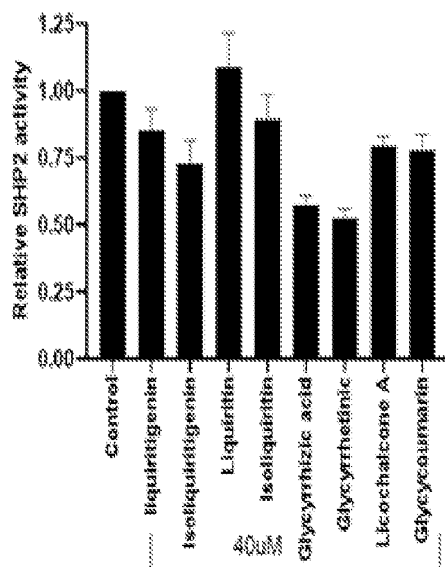


FIG. 11C

Effect of S compounds on SHP2 activity

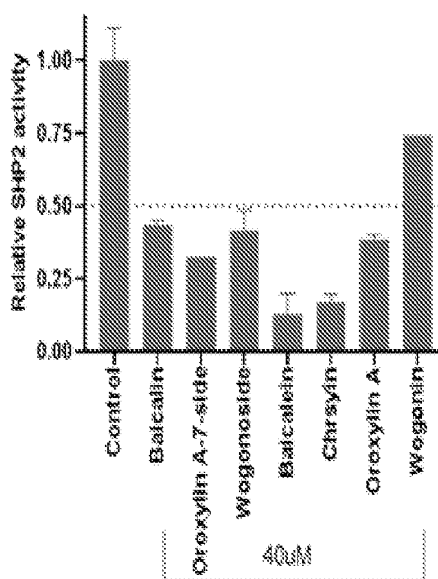


FIG. 11D

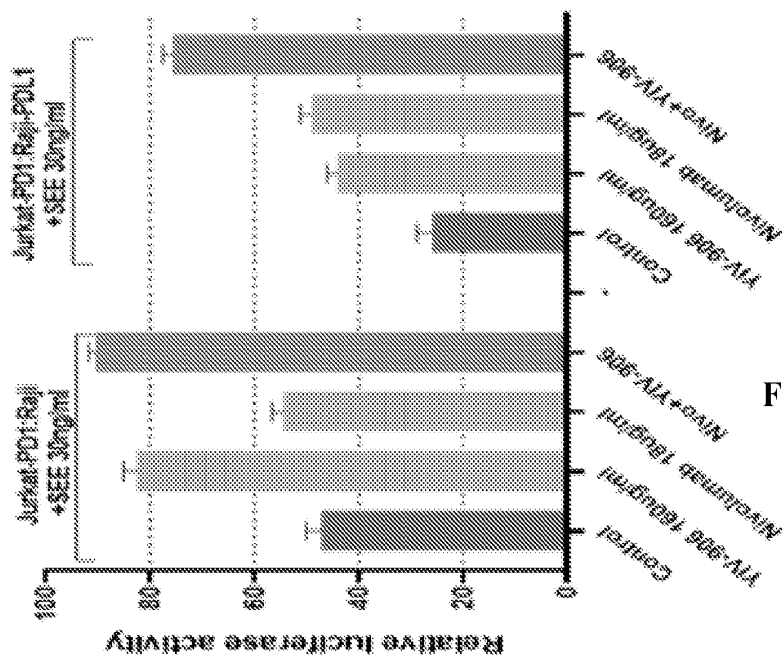


FIG. 12B

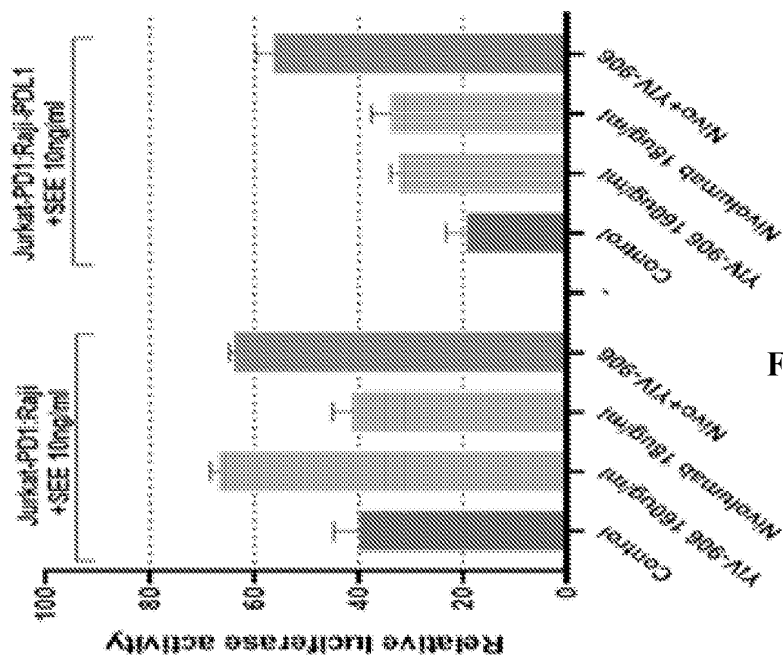


FIG. 12A

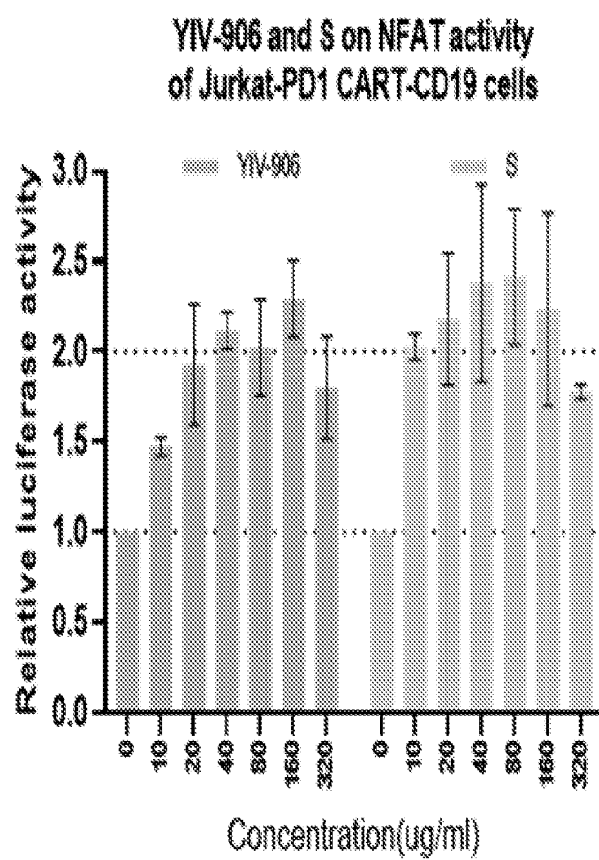


FIG. 13A

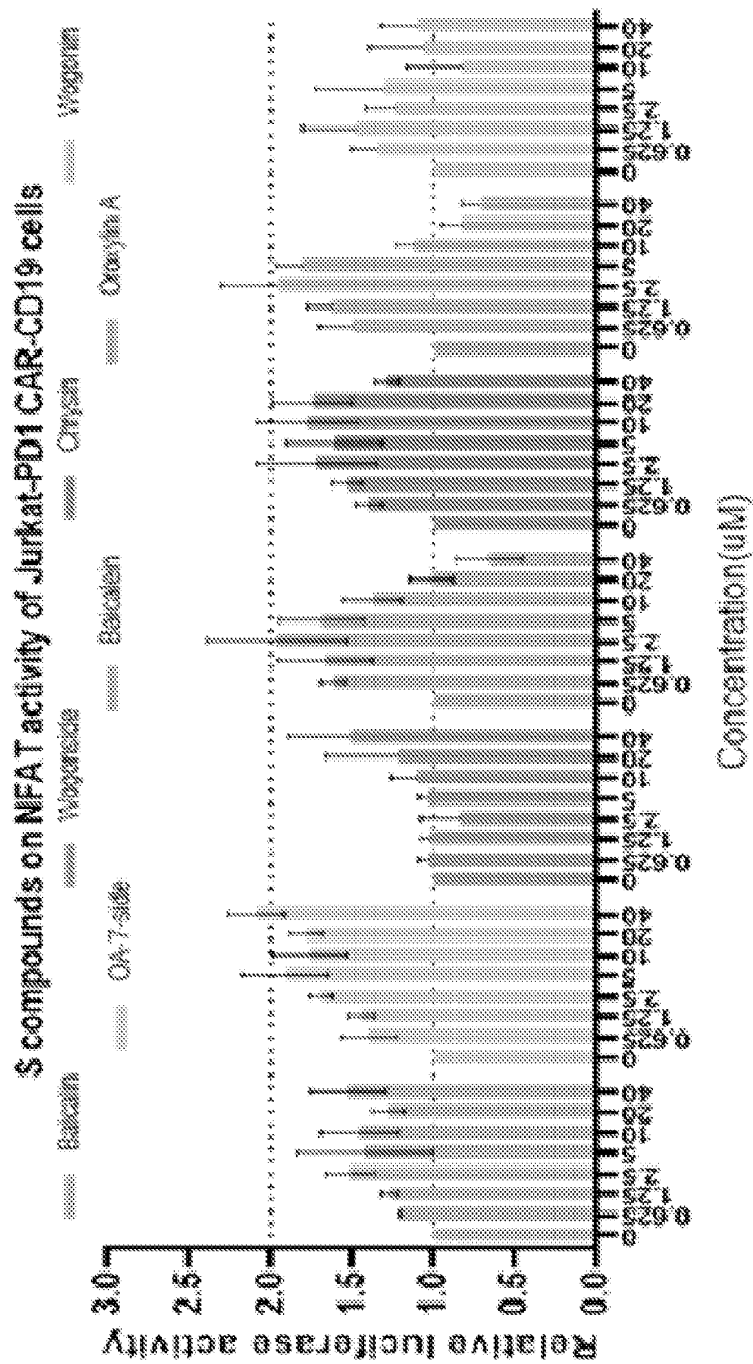


FIG. 13B

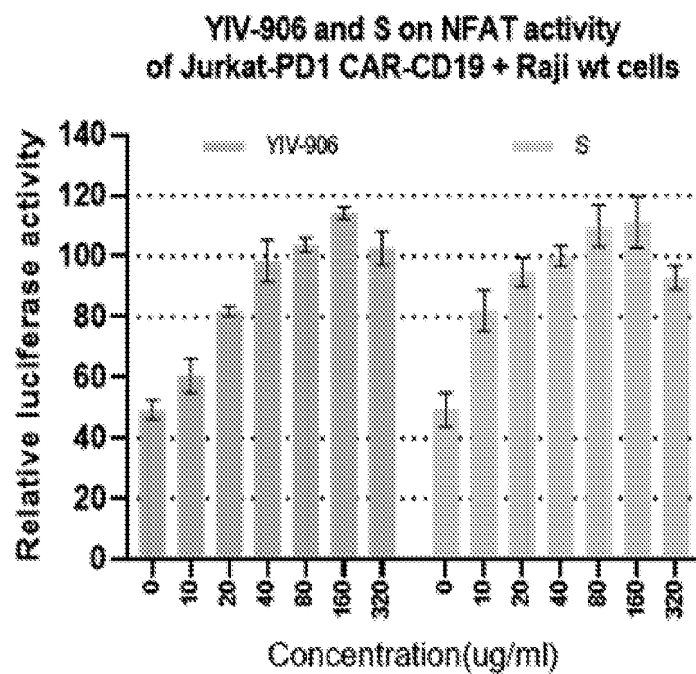


FIG. 13C

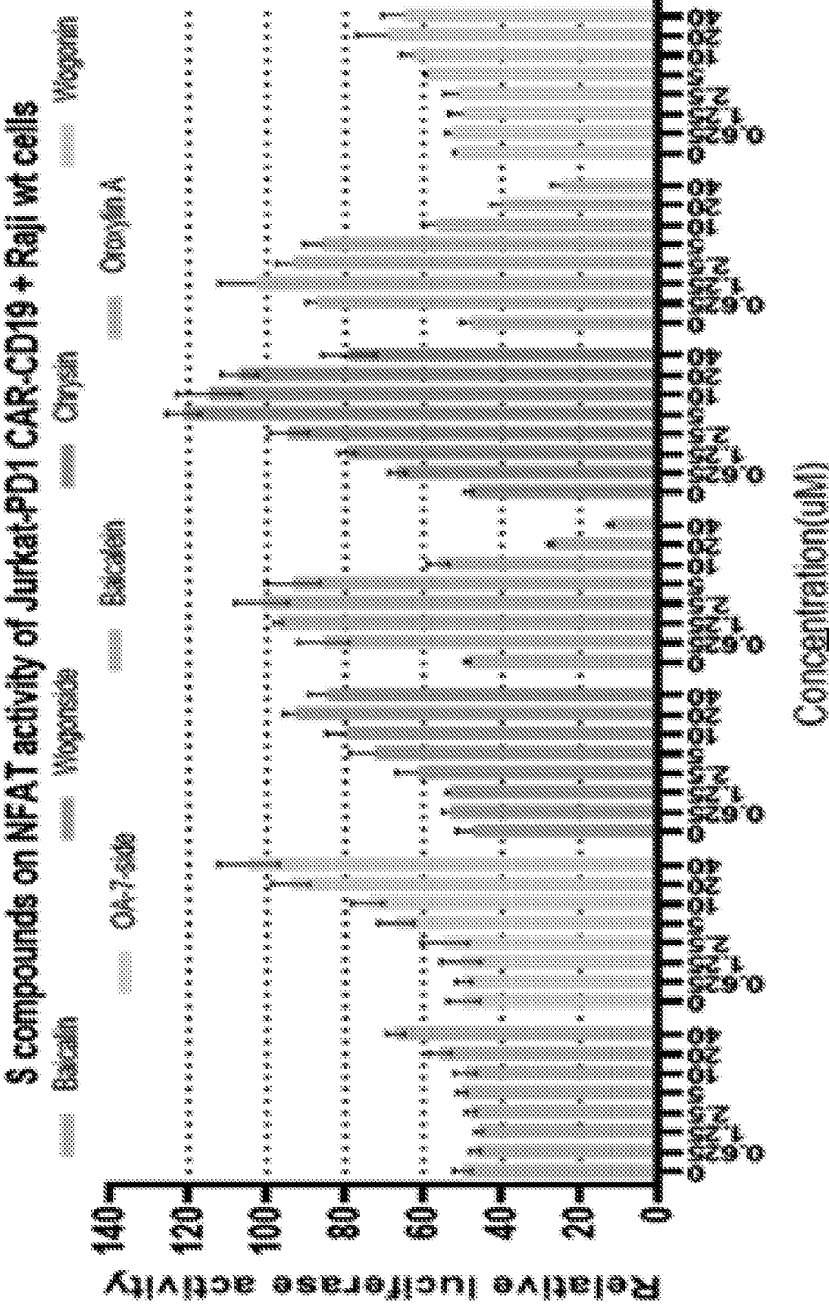


FIG. 13D

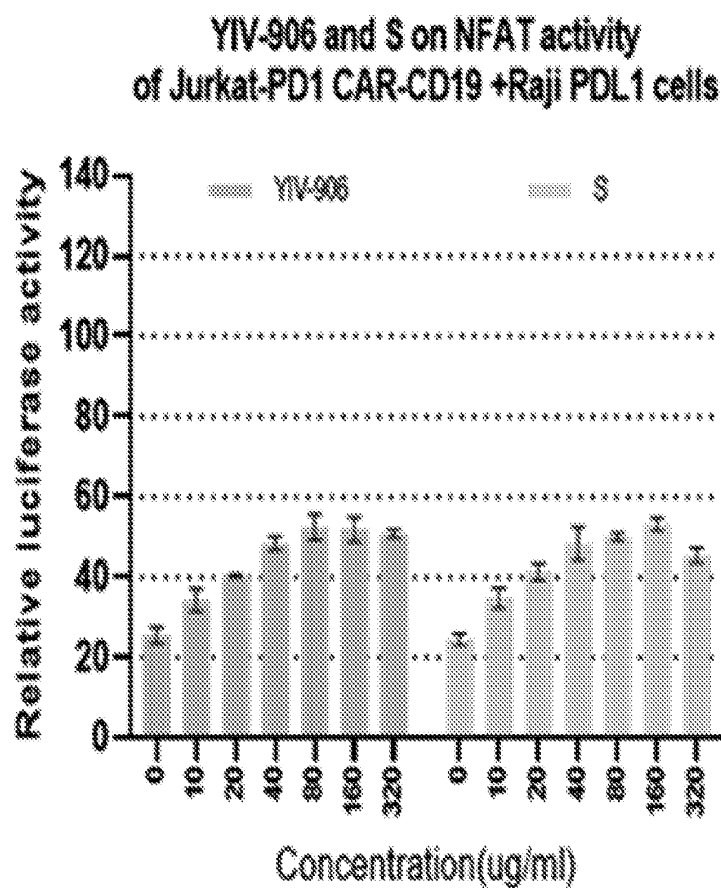


FIG. 13E

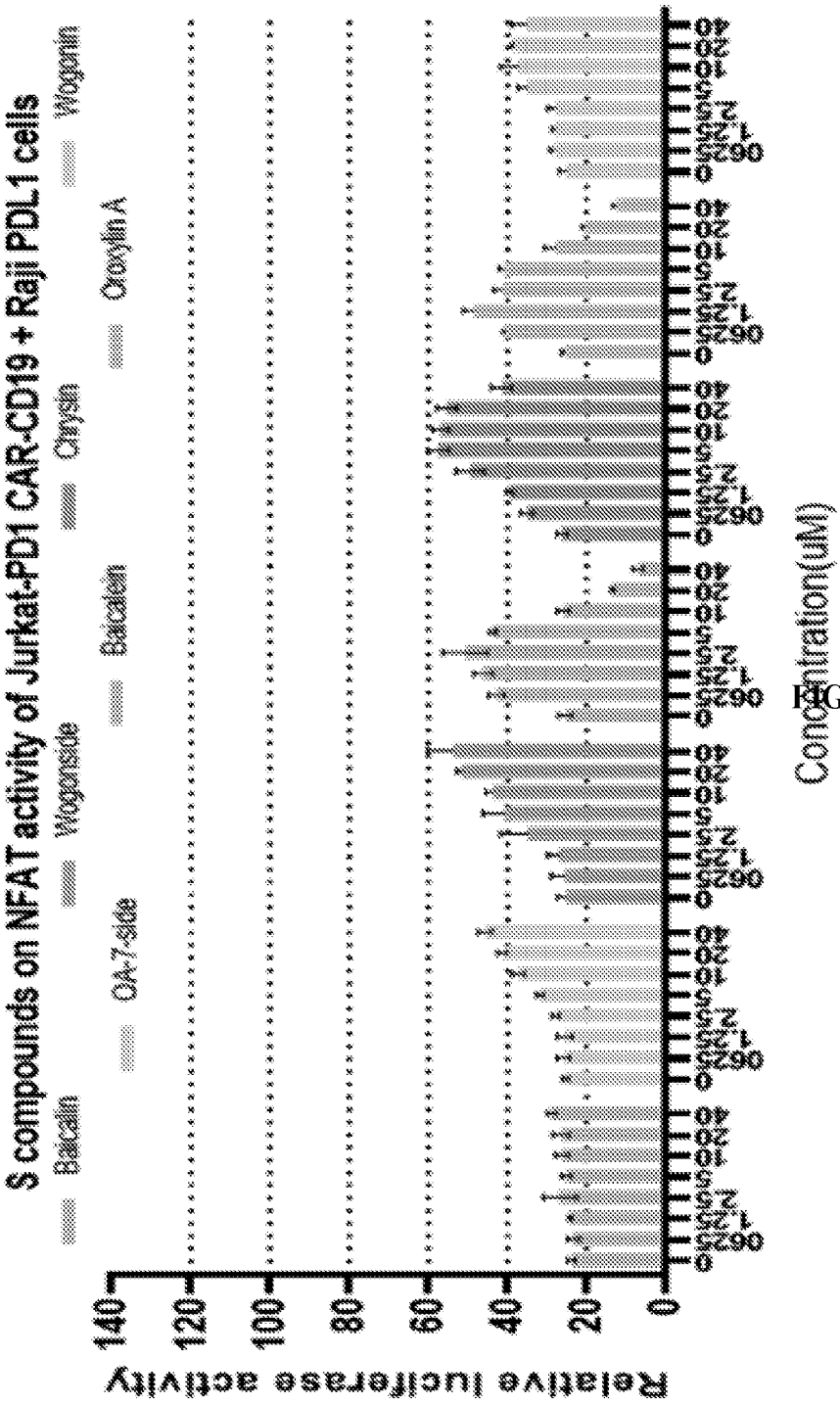


FIG. 13F