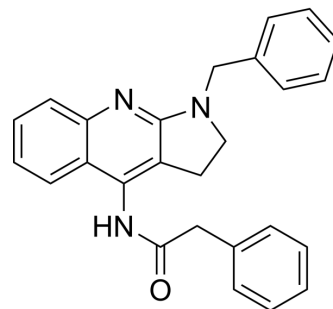


PGP-4008

Cat. No.:	HY-119823		
CAS No.:	365565-02-2		
Molecular Formula:	C ₂₆ H ₂₃ N ₃ O		
Molecular Weight:	393.48		
Target:	P-glycoprotein		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 62.5 mg/mL (158.84 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5414 mL	12.7071 mL	25.4143 mL
5 mM	0.5083 mL	2.5414 mL	5.0829 mL
10 mM	0.2541 mL	1.2707 mL	2.5414 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

PGP-4008 is a specific P-glycoprotein (Pgp) inhibitor. PGP-4008 inhibits tumor growth in a murine syngeneic Pgp-mediated multiple agent resistance (MDR) solid tumor model when given in combination with Doxorubicin^[1].

REFERENCES

[1]. Brian D Lee, et al. Synthesis and evaluation of dihydropyrroloquinolines that selectively antagonize P-glycoprotein. J Med Chem. 2004 Mar 11;47(6):1413-22.

Caution: Product has not been fully validated for medical applications. For research use only.

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