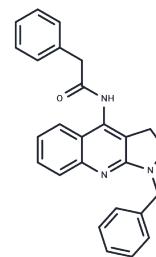


PGP-4008

## Chemical Properties

CAS No. : 365565-02-2  
 Formula: C<sub>26</sub>H<sub>23</sub>N<sub>3</sub>O  
 Molecular Weight: 393.48  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	PGP-4008 is a selective and potent P-glycoprotein (Pgp) inhibitor that inhibits tumor growth by co-administration with Doxorubicin.
Targets(IC50)	P-gp

## Solubility Information

Solubility	DMSO: 50 mg/mL (127.07 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0508 mL	0.2541 mL	0.5083 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

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