

## P-gp inhibitor 14

## Chemical Properties

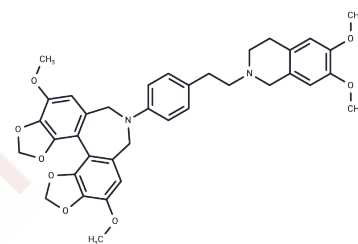
CAS No. : 2892571-47-8

Formula: C37H38N2O8

Molecular Weight: 638.71

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	Compound 8a, also known as P-gp inhibitor 14, demonstrates high affinity as a P-gp inhibitor and effectively reverses P-gp-mediated multidrug resistance (EC 50 = 48.74 nM). Additionally, this compound exhibits a weak inhibitory effect on CYP3A4 activity [1].
Targets(IC50)	P-gp

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5657 mL	7.8283 mL	15.6566 mL
5 mM	0.3131 mL	1.5657 mL	3.1313 mL
10 mM	0.1566 mL	0.7828 mL	1.5657 mL
50 mM	0.0313 mL	0.1566 mL	0.3131 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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