

p38- $\alpha$  MAPK-IN-8

## Chemical Properties

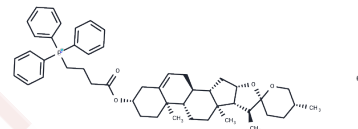
CAS No. :

Formula: C49H62BrO4P

Molecular Weight: 825.892

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	p38- $\alpha$ MAPK-IN-8 (Compound 13) is a lipophilic cationic derivative. It exhibits cytotoxicity toward various tumor cells, inducing cell cycle arrest and apoptosis, as well as increasing reactive oxygen species (ROS) production and causing mitochondrial membrane potential depolarization. Its antitumor activity may be related to the p38 $\alpha$ MAPK pathway, making it a potential candidate for cancer research.
Targets(IC50)	Apoptosis, Reactive Oxygen Species, p38 MAPK, ROS

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2108 mL	6.0541 mL	12.1081 mL
5 mM	0.2422 mL	1.2108 mL	2.4216 mL
10 mM	0.1211 mL	0.6054 mL	1.2108 mL
50 mM	0.0242 mL	0.1211 mL	0.2422 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.

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