

Prohibitin ligand 1

Chemical Properties

CAS No. :

Formula: C₂₀H₂₂N₂O

Molecular Weight: 306.4

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	Prohibitin ligand 1 (Compound 22i) is a cardioprotective prohibitin ligand that shows in vitro cardioprotective activities at nanomolar concentrations, inducing the pro-survival factor STAT3 phosphorylation [1].
Targets(IC50)	Others,STAT
In vitro	Treatment with Prohibitin ligand 1 (10nM; overnight) results in the phosphorylation of the pro-survival factor STAT3, as demonstrated by Western Blot Analysis [1] using the H9c2 cardiomyocyte cell line. The incubation with a concentration of 10 nM for an overnight period specifically induced STAT3 phosphorylation.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2637 mL	16.3185 mL	32.6371 mL
5 mM	0.6527 mL	3.2637 mL	6.5274 mL
10 mM	0.3264 mL	1.6319 mL	3.2637 mL
50 mM	0.0653 mL	0.3264 mL	0.6527 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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