

Difopein TFA (396834-58-5 free base)

Chemical Properties

CAS No. :

Formula: C275H425N76F3O91S6

Molecular Weight: 6501.19

Keep away from moisture

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	Difopein (TFA), a specific and competitive inhibitor of 14-3-3 protein (a highly conserved eukaryotic regulatory molecule), blocking the ability of 14-3-3 to bind to target proteins and inhibits 14-3-3/Ligand interactions. Difopein (TFA) leads to induction of apoptosis and enhances the ability of cisplatin to kill cells.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1538 mL	0.7691 mL	1.5382 mL
5 mM	0.0308 mL	0.1538 mL	0.3076 mL
10 mM	0.0154 mL	0.0769 mL	0.1538 mL
50 mM	0.0031 mL	0.0154 mL	0.0308 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

Masters SC, et al. 14-3-3 proteins mediate an essential anti-apoptotic signal. J Biol Chem. 2001 Nov 30;276(48):45193-200. Epub 2001 Sep 27.

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