

CALP2 TFA

Chemical Properties

CAS No. :

Formula: C70H105F3N14O15S

Molecular Weight: 1471.72

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	CALP2 TFA, a potent calmodulin (CaM) antagonist with a dissociation constant (Kd) of 7.9 μ M, exhibits high affinity for the CaM EF-hand/Ca ²⁺ -binding site. This compound effectively inhibits CaM-dependent phosphodiesterase activity and elevates intracellular Ca ²⁺ concentrations. Furthermore, it significantly hinders adhesion and degranulation, while also acting as a robust activator of alveolar macrophages [1] [2] [3] [4].
Targets(IC50)	CaMK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6795 mL	3.3974 mL	6.7948 mL
5 mM	0.1359 mL	0.6795 mL	1.359 mL
10 mM	0.0679 mL	0.3397 mL	0.6795 mL
50 mM	0.0136 mL	0.0679 mL	0.1359 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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