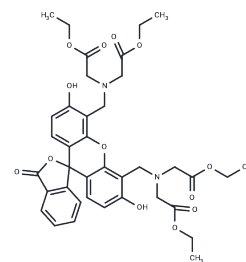


Calcein tetraethyl ester

Chemical Properties

CAS No. :	1170856-93-5
Formula:	C ₃₈ H ₄₂ N ₂ O ₁₃
Molecular Weight:	734.75
Storage:	Keep away from direct sunlight Store at -20°C <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Calcein tetraethyl ester is a Calcein derivative and serves as an intermediate in the synthesis of Calcein AM. Calcein is a fluorescent dye and self-quenching probe, serving as an indicator of lipid vesicle leakage and a chelating indicator for EDTA calcium ion titration and fluorescent calcium ion assays.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble) DMSO: 20 mg/mL (27.22 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (2.72 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.361 mL	6.805 mL	13.6101 mL
5 mM	0.2722 mL	1.361 mL	2.722 mL
10 mM	0.1361 mL	0.6805 mL	1.361 mL
50 mM	0.0272 mL	0.1361 mL	0.2722 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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