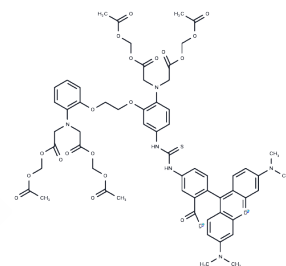


Calcium Orange AM

Chemical Properties

CAS No. :	172646-19-4
Formula:	C ₅₉ H ₆₂ N ₆ O ₂₁ S
Molecular Weight:	1223.22
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	Calcium Orange AM, an intracellular calcium reporter, exhibits specific fluorescence (Ex/Em = 549/576 nm) upon binding with free calcium. It does not enter vacuoles or compartmentalize into acidic vesicles [1].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8175 mL	4.0876 mL	8.1751 mL
5 mM	0.1635 mL	0.8175 mL	1.635 mL
10 mM	0.0818 mL	0.4088 mL	0.8175 mL
50 mM	0.0164 mL	0.0818 mL	0.1635 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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