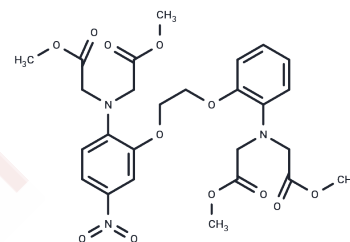


5-Nitro BAPTA tetramethyl ester

Chemical Properties

CAS No. : 172646-43-4
 Formula: C₂₆H₃₁N₃O₁₂
 Molecular Weight: 577.54
 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	5-Nitro BAPTA tetramethyl ester, a calcium chelator, is involved in the synthesis of two-photon probes and is used for real-time imaging of intracellular calcium ions and monitoring calcium waves at depths of 100-300 μm in liver tissues for 1100-4000 s. Additionally, in conjunction with fluorescent compound 2-Me-substituted TM, it can form a red fluorescent probe (CaTM-2 AM) [1] [2].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7315 mL	8.6574 mL	17.3148 mL
5 mM	0.3463 mL	1.7315 mL	3.463 mL
10 mM	0.1731 mL	0.8657 mL	1.7315 mL
50 mM	0.0346 mL	0.1731 mL	0.3463 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.

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