

BAPTA tetrapotassium

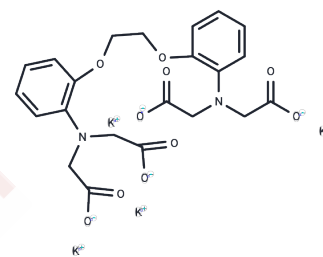
Chemical Properties

CAS No. : 73630-08-7

Formula: C₂₂H₂₀K₄N₂O₁₀

Molecular Weight: 628.79

Storage: Keep away from moisture, Keep away from direct sunlight
 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	BAPTA, tetrapotassium salt is a Ca ²⁺ chelator.
Targets(IC ₅₀)	Phospholipase

Solubility Information

Solubility	H ₂ O: 100 mg/mL (159.04 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5904 mL	7.9518 mL	15.9036 mL
5 mM	0.3181 mL	1.5904 mL	3.1807 mL
10 mM	0.159 mL	0.7952 mL	1.5904 mL
50 mM	0.0318 mL	0.159 mL	0.3181 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

M B Collatz, et al. Intracellular calcium chelator BAPTA protects cells against toxic calcium overload but also alters physiological calcium responses. Cell Calcium

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