

Fura-2 potassium salt

Chemical Properties

CAS No. : 113694-64-7

Formula: C₂₉H₂₂K₅N₃O₁₄

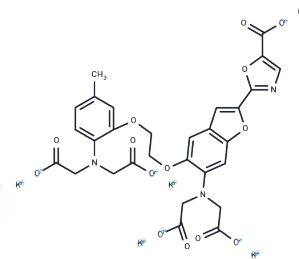
Molecular Weight: 831.99

Keep away from direct sunlight, Store at low temperature

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	Fura-2 potassium salt is a commonly used UV-excitatable fluorescent probe for intracellular calcium ion imaging.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 8.37 mg/mL (10.06 mM), when pH is adjusted with NaOH, 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	1.2019 mL	6.0097 mL	12.0194 mL
5 mM	0.2404 mL	1.2019 mL	2.4039 mL
10 mM	0.1202 mL	0.601 mL	1.2019 mL
50 mM	0.024 mL	0.1202 mL	0.2404 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

Rao GH, et al. Measurement of ionized calcium in blood platelets with a new generation calcium indicator. Biochem Biophys Res Commun. 1985 Oct 30;132(2):652-7.

Gradogna A, Carpaneto A. Electrophysiology and fluorescence to investigate cation channels and transporters in isolated plant vacuoles. Stress Biol. 2022 Oct 1;2(1):42.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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