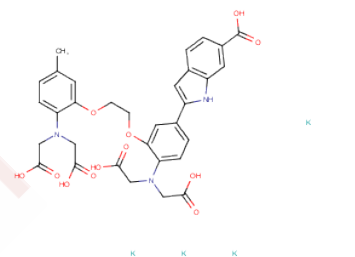


Indo-1 (potassium salt)

Chemical Properties

CAS No. :	132319-56-3
Formula:	C ₃₂ H ₂₆ K ₅ N ₃ O ₁₂
Molecular Weight:	840.05
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Indo-1 (potassium salt) is a ratiometric fluorescent calcium indicator. It is ideal for analyses using flow cytometry, as it uses a single excitation source, typically 349-364 nm light from an argon-ion laser. The emission maximum shifts from 475-485 nm without calcium to 400-410 nm when Indo-1 (potassium salt) binds calcium. Indo-1 (potassium salt) is prone to photobleaching, which limits its usefulness in methods involving microscopy.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1904 mL	5.952 mL	11.9041 mL
5 mM	0.2381 mL	1.1904 mL	2.3808 mL
10 mM	0.119 mL	0.5952 mL	1.1904 mL
50 mM	0.0238 mL	0.119 mL	0.2381 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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