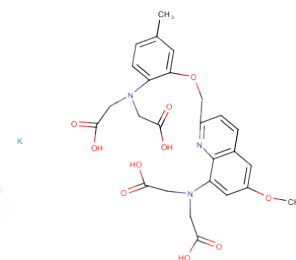


Quin-2 (potassium salt)

Chemical Properties

CAS No. :	73630-23-6
Formula:	C ₂₆ H ₂₃ K ₄ N ₃ O ₁₀
Molecular Weight:	693.87
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	Quin-2 is a high-affinity fluorescent calcium indicator ($K_d = 115$ nM for calcium). It displays high selectivity for calcium, as it is not affected by sodium gradients, membrane potential, or intracellular pH. High affinity probes like quin-2 are ideal for monitoring low levels of calcium, as are found in resting cells. Loadings of up to 2 mM quin-2 are without serious toxic effects, so quin-2 may be used to buffer intracellular calcium transients. Excitation/emission maxima for quin-2 are 339 and 492 nm, respectively.
Targets(IC50)	Others

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.4412 mL	7.206 mL	14.4119 mL
5 mM	0.2882 mL	1.4412 mL	2.8824 mL
10 mM	0.1441 mL	0.7206 mL	1.4412 mL
50 mM	0.0288 mL	0.1441 mL	0.2882 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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