

Rhod-2 (sodium salt)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: 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	Rhod-2 (sodium salt) is a water-soluble, red fluorescent calcium indicator. It exhibits a significant shift in fluorescence intensity upon calcium binding (ex max = 549 nm; calcium-free v. ex/em max = 552/581 nm; calcium-bound). [1][2] Unlike the UV-excitable indicators fura-2 and indo-1 , there is no accompanying spectral shift.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: Moderately Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Paredes, R.M., Etzler, J.C., Watts, L.T., et al. Chemical calcium indicators. *Methods* 46(3), 143-151 (2008).
Minta, A., Kao, J.P., and Tsien, R.Y. Fluorescent indicators for cytosolic calcium based on rhodamine and fluorescein chromophores. *The Journal of Biological Chemistry* 264(14), 8171-8178 (1989).

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