

Rhod-5N AM

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-5N AM is a cell-permeant acetoxymethyl ester of the fluorescent calcium indicator rhod-5N . As rhod-5N AM enters cells, it is hydrolyzed by intracellular esterases to produce rhod-5N. Rhod-5N displays a low affinity for calcium ($K_d = 19 \mu\text{M}$). Low affinity calcium indicators are particularly useful for studying compartments with high concentrations of calcium, such as endoplasmic reticulum, where high affinity dyes will be insensitive to luminal fluctuations. Rhod-5N has excitation/emission maxima of approximately 551 and 576 nm, respectively.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble ($< 1 \text{ mg/ml}$ refers to the product slightly soluble or insoluble)
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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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