# Data Sheet (Cat.No.T36388)



### Rhod-5N AM

#### **Chemical Properties**

CAS No.:

Formula:

Molecular Weight:

Appearance: no data available

Storage: keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

## **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 (Kd = 19  $\mu$ 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.

## **Solubility Information**

Solubility DMSO: Soluble

(< 1 mg/ml refers to the product slightly soluble or insoluble)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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Page 1 of 1 www.targetmol.com