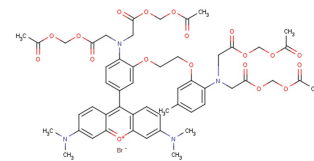


Rhod-2 AM

Chemical Properties

CAS No.:	145037-81-6
Formula:	C ₅₂ H ₅₉ BrN ₄ O ₁₉
Molecular Weight:	1123.94
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Rhod-2 AM is a fluorescent probe of the mitochondrion ($\lambda_{ex}=552$ nm, $\lambda_{em}=581$ nm).
Targets(IC ₅₀)	Others: None
In vitro	Inhibition of mitochondrial Ca ²⁺ uptake by ruthenium red (RR) or DIDS in IMR5 cells infected with poliovirus (PV) is illustrated following fluorescence staining with Rhod-2 AM at 6 h p.i.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.89 mL	4.449 mL	8.897 mL
5 mM	0.178 mL	0.89 mL	1.779 mL
10 mM	0.089 mL	0.445 mL	0.89 mL
50 mM	0.018 mL	0.089 mL	0.178 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Brisac C, et al. Calcium flux between the endoplasmic reticulum and mitochondrion contributes to poliovirus-induced apoptosis. J Virol. 2010 Dec;84(23):12226-35.

Inhibitors · Natural Compounds · Compound Libraries

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