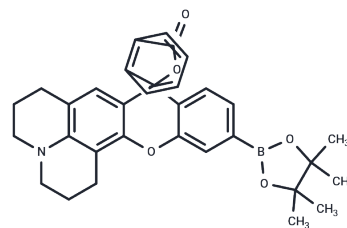


Peroxy Orange 1

Chemical Properties

CAS No. : 1199576-10-7
 Formula: C₃₂H₃₂BN₂O₅
 Molecular Weight: 521.41
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	fluorescent probe for imaging hydrogen peroxide (H ₂ O ₂)
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: <5.21mg/ml, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9179 mL	9.5894 mL	19.1788 mL
5 mM	0.3836 mL	1.9179 mL	3.8358 mL
10 mM	0.1918 mL	0.9589 mL	1.9179 mL
50 mM	0.0384 mL	0.1918 mL	0.3836 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.

Reference

Chen Q, Xin G, Li S, et al. Berberine-mediated REDD1 down-regulation ameliorates senescence of retinal pigment epithelium by interrupting the ROS-DDR positive feedback loop. *Phytomedicine*. 2022: 154181.

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