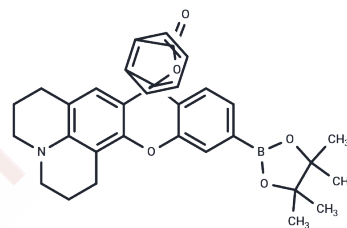


## Peroxy Orange 1

## Chemical Properties

CAS No. :	1199576-10-7
Formula:	C <sub>32</sub> H <sub>32</sub> BN <sub>5</sub> O <sub>5</sub>
Molecular Weight:	521.41
Storage:	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	fluorescent probe for imaging hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: <5.21 mg/mL, Sonication is recommended. (< 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## 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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