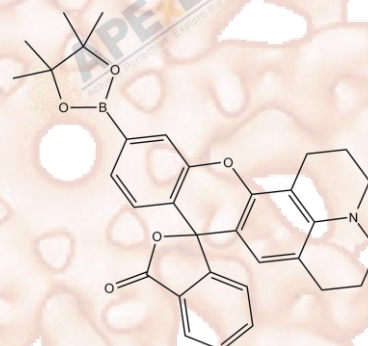


Product Data Sheet

Peroxy Orange 1

Cat. No.:	B5775
CAS No.:	1199576-10-7
Formula:	C32H32BNO5
M.Wt:	521.41
Synonyms:	
Target:	Probes & Dyes
Pathway:	Reactive Oxygen Species Detection
Storage:	Store at -20°C



Solvent & Solubility

<5.21mg/ml in DMSO

In Vitro

	Solvent	Mass Concentration	1mg	5mg	10mg
Preparing Stock Solutions		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

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

fluorescent probe for imaging hydrogen peroxide (H₂O₂)

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Chun Fan, Qiuxia Ji, et al. "TGF- β induces periodontal ligament stem cell senescence through increase of ROS production." Molecular Medicine Reports. August 9 2019.
2. Li Z, Liu T, et al. "TGF- β induces corneal endothelial senescence via increase of mitochondrial reactive oxygen species in chronic corneal allograft failure." Aging (Albany NY). 2018 Nov 28;10(11):3474-3485. PMID:30482886

See more customer validations on www.apexbt.com.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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