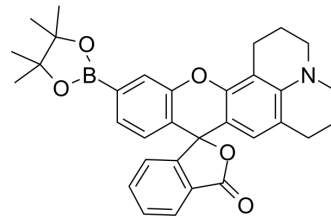


Peroxy Orange 1

Cat. No.:	HY-103469
CAS No.:	1199576-10-7
Molecular Formula:	C ₃₂ H ₃₂ BNO ₅
Molecular Weight:	521.41
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Peroxy Orange 1 (PO1) is a new H₂O₂ specific probe that can bind to green fluorescent highly reactive oxygen species (hROS) probe APF. Peroxy Orange 1 is also a living cell dye^{[1][2]}.

REFERENCES

[1]. Dickinson BC, et al. A palette of fluorescent probes with varying emission colors for imaging hydrogen peroxide signaling in living cells. *J Am Chem Soc.* 2010 Apr 28;132(16):5906-15.

[2]. Moloney JN, et al. Subcellular localization of the FLT3-ITD oncogene plays a significant role in the production of NOX- and p22phox-derived reactive oxygen species in acute myeloid leukemia. *Leuk Res.* 2017 Jan;52:34-42.

Caution: Product has not been fully validated for medical applications. For research use only.

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