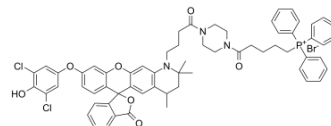


HKOCl-4m

Cat. No.:	HY-D1158
CAS No.:	2031170-88-2
Molecular Formula:	C ₆₃ H ₆₁ BrCl ₂ N ₃ O ₇ P
Molecular Weight:	1153.96
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HKOCl-4m is a selective and mitochondria-targeting rhodol-based fluorescent probe for monitoring mitochondrial hypochlorous acid (HOCl) ^[1] .
In Vitro	HKOCl-4m (5 μM; 30 min) exhibits robust increase in fluorescence intensity upon addition of HOCl. HKOCl-4m has been successfully applied in detecting endogenous HOCl in RAW264.7 mouse macrophages. HKOCl-4m could be applied for monitoring the mitochondrial HOCl formation in living cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Xiaoyu Bai, et al. HKOCl-4: a rhodol-based yellow fluorescent probe for the detection of hypochlorous acid in living cells and tissues. *Org. Chem. Front.* 2020.

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

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