



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

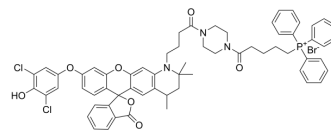
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 52.5 mg/mL (45.50 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	0.8666 mL	4.3329 mL	8.6658 mL
		5 mM	0.1733 mL	0.8666 mL	1.7332 mL
		10 mM	0.0867 mL	0.4333 mL	0.8666 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.63 mg/mL (2.28 mM); Suspended solution; Need ultrasonic				

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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA