



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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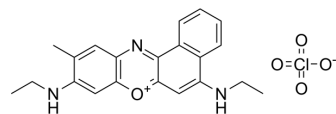
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Oxazine 170 perchlorate

Cat. No.:	HY-D1703
CAS No.:	62669-60-7
Molecular Formula:	C ₂₁ H ₂₂ ClN ₃ O ₅
Molecular Weight:	431.87
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°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 : 100 mg/mL (231.55 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3155 mL	11.5776 mL	23.1551 mL
	5 mM	0.4631 mL	2.3155 mL	4.6310 mL
	10 mM	0.2316 mL	1.1578 mL	2.3155 mL

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

BIOLOGICAL ACTIVITY

Description

Oxazine 170 perchlorate is a laser dye with a wide excitation spectrum range (300–550 nm), which strongly absorbs light with a wavelength greater than 550 nm, and it emits fluorescence with a wavelength of about 645 nm^[1].

In Vitro

Oxazine 170 perchlorate can be combined with semiconductor nanomaterial as an application-type ratiometric photochemical pH sensor^[1].
Oxazine 170 perchlorate have fluorescence properties, with excitation wavelength=300-550 nm, emission spectrum=645 nm^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhang H, et al. Oxazine-Functionalized CdSe/ZnS Quantum Dots for Photochemical pH Sensing[J]. 2020.

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

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