



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

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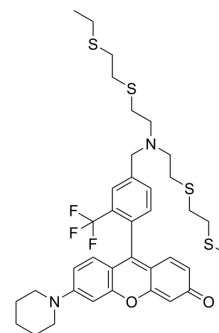
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Copper Fluor-4

Cat. No.: HY-150086
CAS No.: 2365532-64-3
Molecular Formula: C₃₈H₄₇F₃N₂O₂S₄
Molecular Weight: 749.05
Target: Fluorescent Dye
Pathway: Others
Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (166.88 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.3350 mL	6.6751 mL	13.3502 mL
	5 mM		0.2670 mL	1.3350 mL	2.6700 mL
	10 mM		0.1335 mL	0.6675 mL	1.3350 mL

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

BIOLOGICAL ACTIVITY

Description

Copper Fluor-4 (CF4) is a Cu⁺-specific fluorescent probe based on a rhodol dye scaffold. Copper Fluor-4 has high copper selectivity, particularly over zinc and iron, as well as abundant cellular alkali and alkaline earth metals. Copper Fluor-4 is stable in a physiologically relevant pH regime between 6 and 8 (Ex: 488 nm)^[1].

REFERENCES

[1]. Xiao T, et al. Copper regulates rest-activity cycles through the locus coeruleus-norepinephrine system. Nat Chem Biol. 2018 Jul;14(7):655-663.

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

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