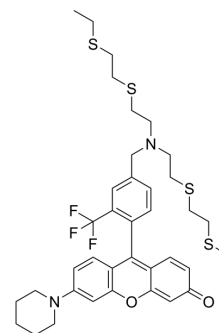


Copper Fluor-4

Cat. No.:	HY-150086
CAS No.:	2365532-64-3
Molecular Formula:	C ₃₈ H ₄₇ F ₃ N ₂ O ₂ S ₄
Molecular Weight:	749.05
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



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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