



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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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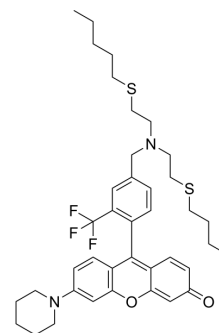
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Ctrl-CF4-S2

Cat. No.:	HY-150087
CAS No.:	2365532-65-4
Molecular Formula:	C ₄₀ H ₅₁ F ₃ N ₂ O ₂ S ₂
Molecular Weight:	712.97
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Ctrl-CF4-S2 is a chemically modified control probe of the copper probe Copper Fluor-4 (CF4, HY-150086), in which two of the four thioether ligands in CF4 (HY-150086) are replaced with methylene groups. CF4 (HY-150086) is a fluorescent probe used for detecting the presence and distribution of copper ions, whereas Ctrl-CF4-S2 does not respond to copper ions. This allows it to eliminate background signals from copper, thereby helping to determine whether the signals from CF4 (HY-150086) accurately reflect the dynamic changes of copper ions in biological systems^[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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