



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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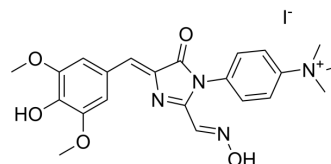
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DMHBO+

Cat. No.:	HY-161159
CAS No.:	2322286-81-5
Molecular Formula:	C ₂₂ H ₂₅ N ₄ O ₅
Molecular Weight:	552.36
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 28 mg/mL (50.69 mM; Need ultrasonic and warming)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.8104 mL	9.0521 mL	18.1041 mL
5 mM	0.3621 mL	1.8104 mL	3.6208 mL
10 mM	0.1810 mL	0.9052 mL	1.8104 mL

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

BIOLOGICAL ACTIVITY

Description

DMHBO+ is a cationic chromophore that binds to the Chili aptamer with a K_d of 12 nM. The Chili-DMHBO+ complex is an ideal fluorescence donor for FRET to the rhodamine dye Atto 590, suitable for imaging RNA in cells. Ex/Em=456/592 nm^[1].

REFERENCES

[1]. Christian Steinmetzger, et al. A Multicolor Large Stokes Shift Fluorogen-Activating RNA Aptamer with Cationic Chromophores. Chemistry. 2019 Feb 6;25(8):1931-1935.

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

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