



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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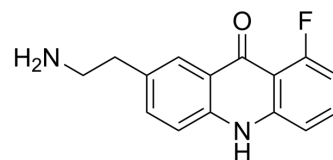
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FFN246

Cat. No.:	HY-149170
CAS No.:	2210244-83-8
Molecular Formula:	C ₁₅ H ₁₃ FN ₂ O
Molecular Weight:	256.27
Target:	5-HT Receptor; Monoamine Transporter
Pathway:	GPCR/G Protein; Neuronal Signaling; Membrane Transporter/Ion Channel
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 16.67 mg/mL (65.05 mM); ultrasonic and warming and adjust pH to 1 with 1 M HCL and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.9021 mL	19.5107 mL	39.0213 mL
	5 mM		0.7804 mL	3.9021 mL	7.8043 mL
	10 mM		0.3902 mL	1.9511 mL	3.9021 mL

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

BIOLOGICAL ACTIVITY

Description

FFN246 is a fluorescent, dual substrate of serotonin transporter (SERT) probe and vesicular monoamine transporter 2 (VMAT2) with excitation and emission spectra 392/427 nm. FFN246 can be used for labeling serotonergic neurons in mouse brain tissue through SERT-dependent accumulation^[1].

In Vivo

FFN246 (2.5-20 μM, 30 mins) can be used for direct examination of serotonin transporter (SERT) activity and SERT inhibitors in 96-well cell culture assays, as well as specific labeling of serotonergic neurons of the dorsal raphe nucleus in the living tissue of acute mouse brain slices^[1].
 FFN246 (20 μM, 30 mins) effectively traces serotonin uptake and packaging in the soma of serotonergic neurons^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Henke A, et al. Toward Serotonin Fluorescent False Neurotransmitters: Development of Fluorescent Dual Serotonin and Vesicular Monoamine Transporter Substrates for Visualizing Serotonin Neurons. ACS Chem Neurosci. 2018;9(5):925-934.

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

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