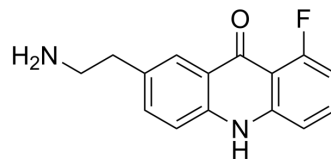


FFN246

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:	Please store the product under the recommended conditions in the Certificate of Analysis.



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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA