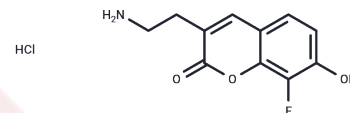


FFN270 hydrochloride

Chemical Properties

CAS No. :	2341841-05-0
Formula:	C ₁₁ H ₁₁ ClFNO ₃
Molecular Weight:	259.66
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	FFN270 hydrochloride, a fluorescent tracer for norepinephrine and vesicular monoamine transporters, features dual resolved absorption/excitation peaks that vary with solvent pH (FFN270 ex: 320 nm or 365 nm, em: 475 nm). It serves as a ratiometric fluorescent pH-sensor, highlighting its utility in monitoring norepinephrine.
Targets(IC50)	Others, Adrenergic Receptor
In vitro	FFN270 facilitates the investigation of noradrenergic microanatomy as well as the monitoring of synaptic activity within cortical neuronal circuits in vivo, maintaining the integrity of these circuits[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8512 mL	19.256 mL	38.5119 mL
5 mM	0.7702 mL	3.8512 mL	7.7024 mL
10 mM	0.3851 mL	1.9256 mL	3.8512 mL
50 mM	0.077 mL	0.3851 mL	0.7702 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Matthew Dunn, et al. Designing a norepinephrine optical tracer for imaging individual noradrenergic synapses and their activity in vivo. Nat Commun. 2018 Jul 19;9(1):2838.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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