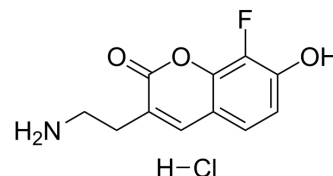


FFN270 hydrochloride

Cat. No.:	HY-131007
CAS No.:	2341841-05-0
Molecular Formula:	C ₁₁ H ₁₁ ClFNO ₃
Molecular Weight:	259.66
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	FFN270 hydrochloride, a fluorescent tracer of norepinephrine, is a fluorescent substrate of the norepinephrine and vesicular monoamine transporters. FFN270 hydrochloride exhibits two resolved absorption/excitation maxima depending on solvent pH (FFN270 ex: 320 nm or 365 nm, em: 475 nm) and can function as ratiometric fluorescent pH-sensors ^[1] .
In Vitro	FFN270 enables both an examination of noradrenergic microanatomy and an observation of synaptic activity in the cortex of intact neuronal circuits in vivo ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

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

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