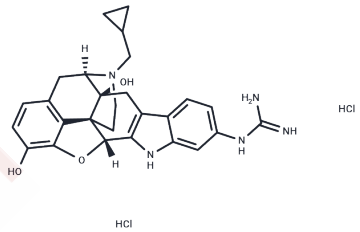
Data Sheet (Cat.No.T39988)

TargetMol

6'-GNTI dihydrochloride

Chemical Properties



CAS No. :	2410327-94-3
Formula:	C27H29N5O3.2ClH
Molecular Weight:	544.47
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	6'-GNTI dihydrochloride is a κ-opioid receptor (KOR) agonist that favors activation of G-protein-mediated signaling over recruitment of β-aspirin 2. 6'-GNTI dihydrochloride only activates the Akt pathway in striatal neurons.
Targets(IC50)	Opioid Receptor,Akt

Solubility Information

Solubility	DMSO: 10.42 mg/mL (19.14 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8366 mL	9.1832 mL	18.3665 mL
5 mM	0.3673 mL	1.8366 mL	3.6733 mL
10 mM	0.1837 mL	0.9183 mL	1.8366 mL
50 mM	0.0367 mL	0.1837 mL	0.3673 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

Schmid CL, et al. Functional selectivity of 6'-guanidinonaltrindole (6'-GNTI) at κ-opioid receptors in striatal neurons. J Biol Chem. 2013;288(31):22387-22398.

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