

NTRC-824

Chemical Properties

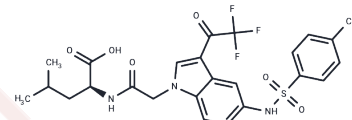
CAS No. : 1623002-61-8

Formula: C₂₅H₂₆F₃N₃O₆S

Molecular Weight: 553.55

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	NTRC-824 is >150-fold selectivity for NTS2 over NTS1 (K _i >30 μM). NTRC-824 is an effective, selective, and neurotensin-like nonpeptide neurotensin receptor type 2 (NTS2) antagonist (IC ₅₀ : 38 nM and a K _i : 202 nM).
Targets(IC50)	Others, Neurotensin Receptor
In vitro	NTRC-824 is the first nonpeptide compound that behaves like and is more active than, the endogenous ligand. In the NTS1 assay up to 30 μM, Testing of NTRC-824 at the NTS1 receptor displays no binding activity, making NTRC-824 selective for NTS2 in both the binding and functional assays .

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8065 mL	9.0326 mL	18.0652 mL
5 mM	0.3613 mL	1.8065 mL	3.613 mL
10 mM	0.1807 mL	0.9033 mL	1.8065 mL
50 mM	0.0361 mL	0.1807 mL	0.3613 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

Thomas JB, et al. Identification of N-[(5-[[[(4-methylphenyl)sulfonyl]amino]-3-(trifluoroacetyl)-1H-indol-1-yl]acetyl]-L-leucine (NTRC-824), a neurotensin-like nonpeptide compound selective for the neurotensin receptor type 2. J Med Chem. 2014 Sep 11;57(17):7472-7.

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