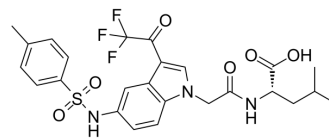


NTRC-824

Cat. No.:	HY-12436		
CAS No.:	1623002-61-8		
Molecular Formula:	C ₂₅ H ₂₆ F ₃ N ₃ O ₆ S		
Molecular Weight:	553.55		
Target:	Neurotensin Receptor		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	NTRC-824 (Compound 5) is a potent, selective and neurotensin-like nonpeptide neurotensin receptor type 2 (NTS2) antagonist with an IC ₅₀ of 38 nM and a K _i of 202 nM. NTRC-824 is >150-fold selectivity for NTS2 over NTS1 (K _i >30 μM) ^[1] .
IC₅₀ & Target	IC ₅₀ : 38 nM (Neurotensin receptor type 2) ^[1] K _i : 202 nM (Neurotensin receptor type 2) ^[1]
In Vitro	Testing of NTRC-824 (Compound 5) at the NTS1 receptor shows no binding activity in the NTS1 assay up to 30 μM, making NTRC-824 (Compound 5) selective for NTS2 in both the binding and functional assays. NTRC-824 (Compound 5) is the first nonpeptide compound that behaves like, and is more active than, the endogenous ligand ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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)

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

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