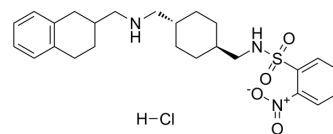


NTNCB hydrochloride

Cat. No.:	HY-107733
CAS No.:	191931-56-3
Molecular Formula:	C ₂₅ H ₃₄ ClN ₃ O ₄ S
Molecular Weight:	508.07
Target:	Neuropeptide Y Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (246.03 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.9682 mL	9.8412 mL	19.6823 mL
	5 mM	0.3936 mL	1.9682 mL	3.9365 mL
	10 mM	0.1968 mL	0.9841 mL	1.9682 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

NTNCB (Compound 11) hydrochloride is a potent and selective neuropeptide Y Y5 (NPY Y5) receptor antagonist with a K_i of 8 nM against human Y5^[1].

IC₅₀ & Target

hY ₅ receptor 8 nM (K _i)	hY ₁ receptor 16032 nM (K _i)
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REFERENCES

[1]. Islam I, et al. Discovery of potent and selective small molecule NPY Y5 receptor antagonists. *Bioorg Med Chem Lett.* 2002 Jul 8;12(13):1767-9.

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

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