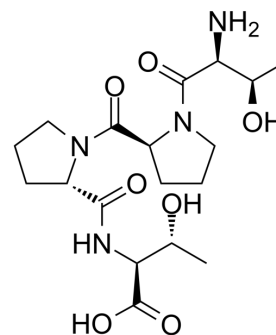


NT 13

Cat. No.:	HY-P7060
CAS No.:	117928-93-5
Molecular Formula:	C ₁₈ H ₃₀ N ₄ O ₇
Molecular Weight:	414.45
Sequence:	Thr-Pro-Pro-Thr
Sequence Shortening:	TPPT
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 122.5 mg/mL (295.57 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.4128 mL	12.0642 mL	24.1284 mL
	5 mM		0.4826 mL	2.4128 mL	4.8257 mL
	10 mM		0.2413 mL	1.2064 mL	2.4128 mL

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

BIOLOGICAL ACTIVITY

Description

NT 13 (TPPT) is a tetrapeptide having the amino acid sequence L-threonyl-L-prolyl-L-prolyl-L-threonine amide. NT 13 is a partial N-methyl-D-aspartate receptor (NMDAR) agonist used in the study of depression, anxiety, and other related diseases.

IC₅₀ & Target

Target: NMDAR^[1]

In Vitro

NT 13 derivatives are used in the study of depression, anxiety, and other related diseases. Some NT 13 derivatives are NMDAR partial agonist^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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