

## Product Data Sheet

Product Name: NT 13 (TPPT)

Cat. No.: GC33740

### Chemical Properties

Cas. No. 117928-93-5

SMILES Thr-Pro-Pro-Thr

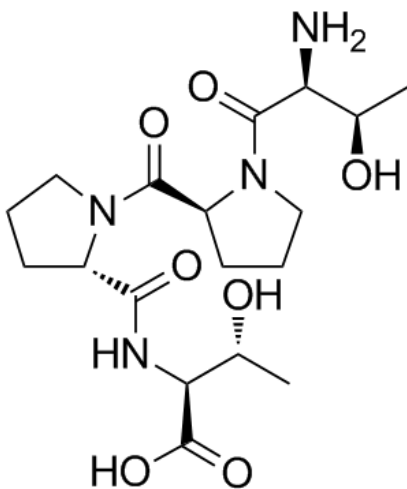
Formula  $C_{18}H_{30}N_4O_7$  M.Wt 414.45

Solubility DMSO :  $\geq 122.5$  mg/mL (295.57 mM) Storage Store at  $-20^{\circ}\text{C}$

General tips For obtaining a higher solubility , please warm the tube at  $37^{\circ}\text{C}$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}\text{C}$  for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



### Background

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.

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

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

[1]. Moskal J. Methods of treating depression and other related diseases. US9340576B2

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