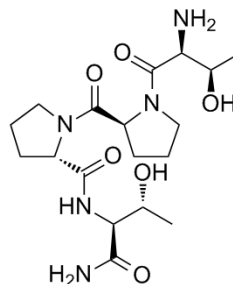


Product Name : Rapastinel
Synonyms : GLYX-13; Thr-Pro-Pro-Thr-NH₂
Cat No. : M10606
CAS Number : 117928-94-6
Molecular Formula : C₁₈H₃₁N₅O₆
Formula Weight : 413.47
Chemical Name : L-Threoninamide, L-threonyl-L-prolyl-L-prolyl-



Description : A tetrapeptide (TPPT-amide) that acts as a NMDA receptor glycine site partial agonist; readily crosses the blood-brain barrier and modulates the NMDA receptor, shows potent cognitive-enhancing properties in a valid in vivo model of learning. Depression Phase 3 Clinical

Pathway : Membrane Transporter/Ion Channel

Target : iGluR

Receptor : Others

Solubility : DMSO: ≥ 32 mg/mL

SMILES : C[C@@H](O)[C@@H](C(N)=O)NC([C@H]1N(C([C@H]2N(C([C@H]([C@H](O)C)N)=O)CCC2)=O)CCC1)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Moskal JR, et al. Neuropharmacology. 2005 Dec;49(7):1077-87. 2. Zhang XL, et al. Neuropharmacology. 2008 Dec;55(7):1238-50. 3. Burgdorf J, et al. Neurobiol Aging. 2011 Apr;32(4):698-706.