



# LKT Laboratories, Inc.

## GLYX-13 Trifluoroacetate

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)  
Web: [lktlabs.com](http://lktlabs.com)

### Product Information

**Product ID** G4797  
**CAS No.** 117928-94-6  
**Chemical Name** L-Threonyl-L-prolyl-L-prolyl-L-threoninamide

**Synonym** Rapastinel, GLYX-13, TPPT

**Formula**  $C_{18}H_{31}N_5O_6$   
**Formula Wt.** 413.48

**Melting Point**

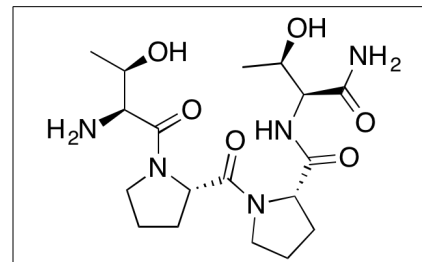
**Purity**  $\geq 98\%$

**Solubility** Soluble in water (2 mg/mL), DMSO (30 mg/mL).

**Store Temp**  $-20^{\circ}\text{C}$

**Ship Temp** Ambient

**Description** GLYX-13 is a peptide with the sequence T-P-P-T that exhibits antidepressant and neuromodulatory activities; it acts as a partial agonist at NMDA receptors. GLYX-13 reverses PCP- and ketamine-induced memory deficits and increases sensitivity to long-term potentiation (LTP). GLYX-13 also decreases depressive symptoms in vivo without psychomimetic or dissociative effects.



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
G4797	1 mg	\$85.00
G4797	5 mg	\$207.50
G4797	25 mg	\$436.50

**References** Rajagopal L, Burgdorf JS, Moskal JR, et al. GLYX-13 (rapastinel) ameliorates subchronic phencyclidine- and ketamine-induced declarative memory deficits in mice. Behav Brain Res. 2015 Nov 26. [Epub ahead of print]. PMID: 26632337.

Burgdorf J, Zhang XL, Weiss C, et al. The long-lasting antidepressant effects of rapastinel (GLYX-13) are associated with a metaplasticity process in the medial prefrontal cortex and hippocampus. Neuroscience. 2015 Nov 12;308:202-11. PMID: 26343295.

Burgdorf J, Kroes RA, Zhang XL, et al. Rapastinel (GLYX-13) has therapeutic potential for the treatment of post-traumatic stress disorder: Characterization of a NMDA receptor-mediated metaplasticity process in the medial prefrontal cortex of rats. Behav Brain Res. 2015 Nov 1;294:177-85. PMID: 26210936.

Newport DJ, Carpenter LL, McDonald WM, et al. Ketamine and Other NMDA Antagonists: Early Clinical Trials and Possible Mechanisms in Depression. Am J Psychiatry. 2015 Oct 1;172(10):950-66. PMID: 26423481.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.