



LKT Laboratories, Inc.
GLYX-13 Trifluoroacetate

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Product Information

Product ID G4797

CAS No. 117928-94-6

Chemical Name L-Threonyl-L-prolyl-L-prolyl-L-threoninamide

Synonym Rapastinel

Formula C₁₈H₃₁N₅O₆

Formula Wt. 413.48

Melting Point

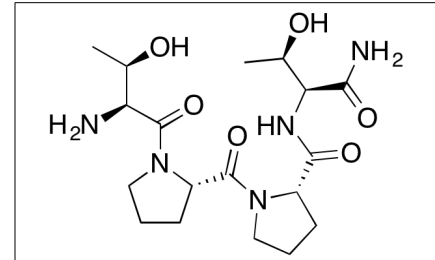
Purity ≥98%

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

Store Temp -20° 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.



Bulk quantities available upon request

Product ID	Size
G4797	1 mg
G4797	5 mg
G4797	25 mg

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.