

# Rapastinel Trifluoroacetate

Catalog No: tcsc0040824



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg



## Specifications

**CAS No:**

1435786-04-1

**Formula:**

$C_{20}H_{32}F_3N_5O_8$

**Pathway:**

Membrane Transporter/Ion Channel;Neuronal Signaling

**Target:**

iGluR;iGluR

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq$  310 mg/mL (587.69 mM)

**Alternative Names:**

GLYX-13 Trifluoroacetate;Thr-Pro-Pro-Thr-NH2 Trifluoroacetate

**Observed Molecular Weight:**

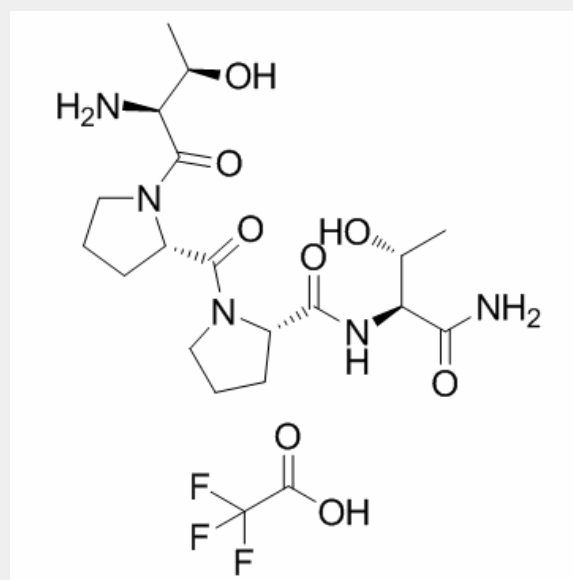
527.49

## Product Description

Rapastinel Trifluoroacetate is an **NMDA receptor** modulator with glycine-site partial agonist properties and currently in a phase II clinical development program as an adjunctive therapy for major depressive disorder.

IC50 & Target: NMDA receptor<sup>[1]</sup>

***In Vivo:*** Rapastinel Trifluoroacetate is an NMDA receptor modulator with glycine-site partial agonist properties and currently in a phase II clinical development program as an adjunctive therapy for major depressive disorder. Mice given Rapastinel Trifluoroacetate (1.0 mg/kg) prior to acute ketamine (30 mg/kg) show clear preference for novel compare to familiar objects (P[1]. Rapastinel Trifluoroacetate produces an antidepressant like effect in the USVs test, as indexed by an increase in hedonic 50-kHz USVs [F(1,20)=12.4, P0.05]<sup>[2]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!