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**Product Data Sheet**

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Product Name: Org 24598

Cat. No.: GC50059

**Chemical Properties**

Cas. No. 372198-97-5

SMILES CN(CC(O)=O)CC[C@@H](OC2=CC=C(C(F)(F)F)C=C2)C1=CC=CC=C1Formula  $C_{19}H_{20}F_3NO_3$  M.Wt 367.36

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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**

Potent and selective inhibitor of the glial glycine transporter GlyT1b (IC<sub>50</sub> = 6.9 nM). Displays negligible activity at GlyT-2, adrenoceptors, dopamine, 5HT receptors and noradrenaline, dopamine, 5HT and GABA transporters (pIC<sub>50</sub> in vivo).

Chue et al (2013) Glycine reuptake inhibition as a new therapeutic approach in schizophrenia: focus on the glycine transporter 1 (GlyT1). *Curr.Pharm.Des.* 19 1311 PMID:23194655 | Brown et al (2001) Discovery and SAR of org 24598-a selective glycine uptake inhibitor. *Bioorg.Med.Chem.Lett.* 11 2007 PMID:11454468 | Williams et al (2003) Development of a scintillation proximity assay for analysis of Na<sup>+</sup>/Cl<sup>-</sup>-dependent neurotransmitter transporter activity. *Anal. Biochem.* 321 31 PMID:12963052

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

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