
Product Data Sheet

Product Name: PF-3274167

Cat. No.: GC17249

Chemical Properties

Cas. No. 900510-03-4

Chemical Name 5-(3-(3-(2-chloro-4-fluorophenoxy)azetidin-1-yl)-5-(methoxymethyl)-4H-1,2,4-triazol-4-yl)-2-methoxypyridine

SMILES COCC(N1C2=CN=C(OC)C=C2)=NN=C1N3CC(OC4=C(Cl)C=C(F)C=C4)C3

Formula C₁₉H₁₉ClFN₅O₃

M.Wt 419.84

Solubility ≥ 18.15mg/mL 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**

Cligosiban (PF-3274167), a high oral bioavailability and good brain-penetrant non-peptide oxytocin receptor antagonist, shows a high-affinity (K_i=9.5 nM) and an excellent selectivity versus the vasopressin receptors with almost no affinity for the V1b and V1a subtypes. Cligosiban inhibits ejaculatory physiology in rodents[1][2].

References:

[1]. Wayman C, et al. Cligosiban, A Novel Brain-Penetrant, Selective Oxytocin Receptor Antagonist, Inhibits Ejaculatory Physiology in Rodents. J Sex Med. 2018 Dec;15(12):1698-1706.

[2]. Karpenko IA, et al. Selective nonpeptidic fluorescent ligands for oxytocin receptor: design, synthesis, and application to time-resolved FRET binding assay. J Med Chem. 2015 Mar 12;58(5):2547-52.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
