

---

**Product Data Sheet**

---

Product Name: Varenicline (CP 526555) dihydrochloride

Cat. No.: GC26032

**Chemical Properties**

Cas. No. 866823-63-4

Formula C<sub>13</sub>H<sub>15</sub>Cl<sub>2</sub>N<sub>3</sub>

M.Wt 284.18

Solubility DMSO: 57 mg/mL (200.58 mM);Water: 57 mg/mL (200.58 mM);Ethanol: 29 mg/mL (102.05 mM)

Store  
Storage at -  
20°CGeneral  
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**

Varenicline (CP 526555, Chantix, Champix, CP 526555 dihydrochloride) dihydrochloride is a potent, partial agonist of  $\alpha 4\beta 2$  nicotinic acetylcholine receptor (nAChR) and  $\alpha 3\beta 4$  nAChR with EC<sub>50</sub> of 2.3  $\mu$ M and 55  $\mu$ M, respectively. Varenicline dihydrochloride is a potent, full agonist of  $\alpha 7$  nAChRs with EC<sub>50</sub> of 18  $\mu$ M. Varenicline is a prescription medication used for smoking cessation.

Varenicline induces dose-dependent and sustains increases in striatal DRD2/3 in rats, particularly in the ventral striatum.[2]

[1] Mihalak KB, et al. Mol Pharmacol. 2006 Sep;70(3):801-5. [2] Crunelle CL, et al. Eur Neuropsychopharmacol. 2011 Feb;21(2):205-10.

**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