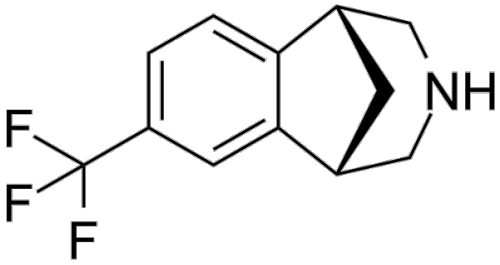
Product Data Sheet

Product Name: CP-601927
Cat. No.: GC63582

Chemical Properties

Cas. No.	357425-02-6		
Formula	$C_{12}H_{12}F_3N$	M.Wt	227.23
Solubility	DMSO : 200 mg/mL (880.17 mM; Need ultrasonic)	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

Product Data Sheet

CP-601927 is a selective α4β2 nicotinic acetylcholine receptor (nAChR) partial agonist (Ki=1.2 nM; EC50=2.6 μM). CP-601927 shows good brain penetration and antidepressant-like properties[1][2].

CP-601927 (0.125 mg/kg-1.5 mg/kg; i.p.; C57BL/6J male mice) has antidepressant-like activity in animal models[2].

[1]. Campion SN, et al. Toxicity study in juvenile rats with the α4β2 nicotinic acetylcholine receptor partial agonist CP-601,927. Birth Defects Res B Dev Reprod Toxicol. 2011;92(4):323-332.
[2]. Mineur YS, et al. α4β2 nicotinic acetylcholine receptor partial agonists with low intrinsic efficacy have antidepressant-like properties. Behav Pharmacol. 2011;22(4):291-299.

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