

Product Data Sheet

Product Name: CP-601927

Cat. No.: GC63582

Chemical Properties

Cas. No. 357425-02-6

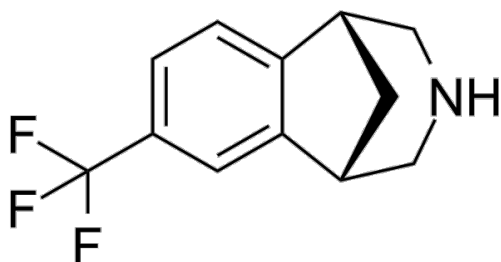
Formula $C_{12}H_{12}F_3N$ M.Wt 227.23

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

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

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CP-601927 is a selective $\alpha 4\beta 2$ nicotinic acetylcholine receptor (nAChR) partial agonist ($K_i=1.2$ nM; $EC_{50}=2.6$ μ M). 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 $\alpha 4\beta 2$ 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. $\alpha 4\beta 2$ nicotinic acetylcholine receptor partial agonists with low intrinsic efficacy have antidepressant-like properties. Behav Pharmacol. 2011;22(4):291-299.

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