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**Product Data Sheet**

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Product Name: (Rac)-CP-601927 hydrochloride

Cat. No.: GC63511

**Chemical Properties**

Cas. No. 230615-01-7

Formula  $C_{12}H_{13}ClF_3N$ 

M.Wt 263.69

Solubility DMSO : 100 mg/mL (379.23 mM; Need ultrasonic); H<sub>2</sub>O : 4°C, away  
100 mg/mL (379.23 mM; Need ultrasonic) Storage from moisture

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**

(Rac)-CP-601927 hydrochloride is the racemate of CP-601927. CP-601927 is a nAChR agonist with  $K_i$  values 1.2 nM and 102 nM for  $\alpha 4\beta 2$  and  $\alpha 3\beta 4$  nAChR, respectively[1].

CP-601927 induces significant antidepressant-like effects in mice. CP-601927 could decrease cholinergic signaling as a result of its reduced efficacy or via desensitization of  $\alpha 4\beta 2^*$  nAChRs[1].

[1]. Yann S Mineur, et al.  $\alpha 4\beta 2$  nicotinic acetylcholine receptor partial agonists with low intrinsic efficacy have antidepressant-like properties. Behav Pharmacol. 2011 Aug;22(4):291-9.

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

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