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**Product Data Sheet**

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Product Name: (S)-Norketamine hydrochloride

Cat. No.: GC50344

**Chemical Properties**

Cas. No. 83777-70-2

SMILES C1C=C([C@]2(N)C(CCCC2)=O)C=CC=C1.ClFormula  $C_{12}H_{14}ClNO.HCl$  M.Wt 260.16

Solubility Soluble 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 (S)-Norketamine hydrochloride**Background**

NMDA receptor modulator. Metabolite of Ketamine hydrochloride. Decreases intracellular D-serine concentration (IC<sub>50</sub> = 62.4 nM) and alters serine racemase expression in PC-12 cells. Exhibits analgesic effects in rat pain models. R-enantiomer and racemate also available.

Holtman et al (2008) Effects of norKA enantiomers in rodent models of persistent pain. Pharmacol.Biochem.Behav. 909 676 PMID:18586315 | Singh et al (2016) KA metabolites enantioselectively decrease intracellular D-serine concentrations in PC-12 cells. PLoS One 11 e0149499 PMID:27096720

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

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