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## Product Data Sheet

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Product Name: Levophaceterane hydrochloride

Cat. No.: GC33713

### Chemical Properties

Cas. No. 23257-56-9

SMILES [H][C@]1(NCCCC1)[C@H](OC(C)=O)C2=CC=CC=C2.[H]Cl

Formula  $C_{14}H_{20}ClNO_2$  M.Wt 269.77

Solubility DMSO : 16.67 mg/mL (61.79 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

Levophaceterane inhibits in vitro in a competitive manner, norepinephrin uptake and dopamine uptake.

Levophaceterane inhibits in vitro in a competitive manner, norepinephrin uptake in Rat hypothalamus and cortex, and dopamine uptake in corpus striatum and cortex. Levophaceterane is a psychostimulant[1]. Levophaceterane has been used as an antidepressant and anorectic. Levophaceterane is the reverse ester of methylphenidate.

[1]. Ramirez A, et al. [Effects of levophaceterane, pemoline, fenozolone, and centrophenoquine on catecholamines and serotonin uptake in various parts of the rat brain]. C R Acad Sci Hebd Seances Acad Sci D. 1978 Jul 3;187(1):53-6.

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

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