

Product Data Sheet

Product Name: (-)-Vesamicol

Cat. No.: GC70383

Chemical Properties

Cas. No. 112709-59-8

Formula $C_{17}H_{25}NO$ M.Wt 259.39

Solubility DMSO : 100 mg/mL (385.52 mM);
ultrasonic and warming and heat to
80°C; Hygroscopic DMSO has a
significant impact on the solubility of
product, please use newly opened
DMSO)

Storage -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.

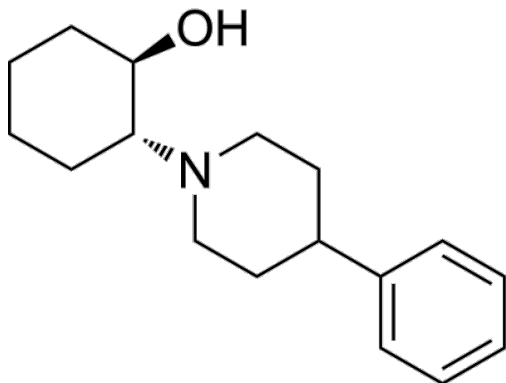
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

(-)-Vesamicol (AH5183) is an inhibitor of acetylcholine transport into synaptic vesicles, with the IC₅₀ of 75 nM. (-)-Vesamicol can be used for release and recycling of synaptic vesicles study. Furthermore, radiolabeled derivatives of vesamicol function as specific ligands for mapping the density of presynaptic cholinergic terminals in studies of cognitive dysfunction.

References:

[1]. Searl T, et al. Acetylcholine recycling and release at rat motor nerve terminals studied using (-)-vesamicol and troxpyrrolium. J Physiol. 1991;444:99-116.

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