
Product Data Sheet

Product Name: 1-BCP
Cat. No.: GC12863

Chemical Properties

Cas. No. 34023-62-6

Chemical Name benzo[d][1,3]dioxol-5-yl(piperidin-1-yl)methanone

SMILES O=C(C1=CC=C2OCOC2=C1)N3CCCCC3

Formula $C_{13}H_{15}NO_3$ M.Wt 233.27

Solubility DMF: 20 mg/ml,DMSO: 10 mg/ml,Ethanol: 30 mg/ml Storage Store at RT

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

1-BCP is a centrally active drug that modulates AMPA receptor gated currents. 1-BCP is a memory-enhancing agent[1][2].

References:

[1]. Arai A, et al. A centrally active drug that modulates AMPA receptor gated currents. Brain Res. 1994 Feb 28;638(1-2):343-6.

[2]. Desai MA, et al. 1-BCP, a memory-enhancing agent, selectively potentiates AMPA-induced release in rat hippocampal slices. Neuropharmacology. 1995 Feb;34(2):141-7.

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

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