
Product Data Sheet

Product Name: Phenibut
Cat. No.: GC63146

Chemical Properties

Cas. No. 1078-21-3

Formula $C_{10}H_{13}NO_2$ M.Wt 179.22

Solubility Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

Phenibut (hydrochloride) is an analytical reference standard categorized as a gabapentinoid and a nootropic.^{1,2} Phenibut also has sedative properties.³ This product is intended for research and forensic applications.

1. Bowery, N.G., Hill, D.R., and Hudson, A.L. Characteristics of GABAB receptor binding sites on rat whole brain synaptic membranes. *Br. J. Pharmacol.* 78(1)191-206(1983)
2. Tyurenkov, I.N., Borodkina, L.E., Bagmetova, V.V., et al. Comparison of nootropic and neuroprotective features of aryl-substituted analogs of gamma-aminobutyric acid. *Bull. Exp. Biol. Med.* 160(4)465-469(2016)
3. Lapin, I. Phenibut (β -phenyl-GABA): a tranquilizer and nootropic drug. *CNS Drug Rev.* 7(4)471-481(2001)

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

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