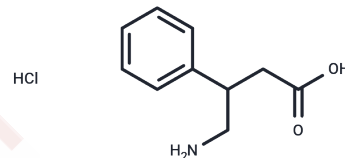


## Phenibut

## Chemical Properties

CAS No. :	1078-21-3
Formula:	C <sub>10</sub> H <sub>13</sub> NO <sub>2</sub>
Molecular Weight:	179.22
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Phenibut (Aminophenylbutyric acid) is a central depressant and derivative of the naturally occurring inhibitory neurotransmitter $\gamma$ -aminobutyric acid (GABA).
Targets(IC50)	GABA Receptor

## Solubility Information

Solubility	DMSO: 55 mg/mL (306.89 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5797 mL	27.8987 mL	55.7973 mL
5 mM	1.1159 mL	5.5797 mL	11.1595 mL
10 mM	0.558 mL	2.7899 mL	5.5797 mL
50 mM	0.1116 mL	0.558 mL	1.1159 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Bagmetova VV, et al. Bull Exp Biol Med. 2015 May;159(1):48-52.

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