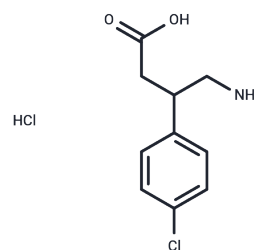


## Baclofen hydrochloride

## Chemical Properties

CAS No. :	28311-31-1
Formula:	C <sub>10</sub> H <sub>13</sub> ClN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	250.122
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	Baclofen hydrochloride (4-amino-3-(4-chlorophenyl)butanoic acid hydron chloride) is a GAMMA-AMINOBUTYRIC ACID derivative that is a specific GABA-B RECEPTORS agonist. It is used in the treatment of MUSCLE SPASTICITY, especially that due to SPINAL CORD INJURIES. Its therapeutic effects result from actions at spinal and supraspinal sites, generally the reduction of excitatory transmission.
Targets(IC50)	GABA Receptor

## Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9981 mL	19.9904 mL	39.9808 mL
5 mM	0.7996 mL	3.9981 mL	7.9962 mL
10 mM	0.3998 mL	1.999 mL	3.9981 mL
50 mM	0.080 mL	0.3998 mL	0.7996 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

Wendell, Lake, Hamid, et al. Intrathecal Baclofen Infusion for the Treatment of Movement Disorders.[J]. Neurosurgery Clinics of North America, 2019.

Silvia, Minozzi, Rosella, et al. Baclofen for alcohol use disorder.[J]. Cochrane Database of Systematic Reviews, 2018.

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