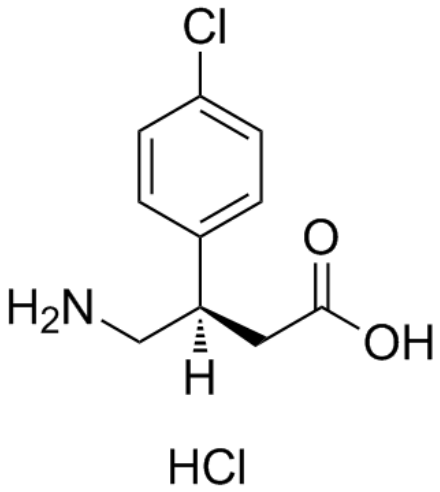
Product Data Sheet

Product Name: (R)-Baclofen hydrochloride
Cat. No.: GC34986

Chemical Properties

Cas. No.	63701-55-3		
SMILES	ClC1=CC=C([C@](CC(O)=O)([H])CN)C=C1.Cl		
Formula	$C_{10}H_{13}Cl_2NO_2$	M.Wt	250.12
Solubility	DMF: 30 mg/ml,DMSO: 30 mg/ml,Ethanol: 10 mg/ml,PBS (pH 7.2): 10 mg/ml	Storage	Store at -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.		

Structure



Background

(R)-Baclofen Hcl(STX-209 Hcl) is a derivative of gamma-aminobutyric acid (GABA) primarily used to treat spasticity and is in the early research stages for use for the treatment of alcoholism.Target: GABABaclofen (brand names Kemstro, Lioresal, Liofen, Gablofen, Beklo and Baclosan) is a derivative of gamma-aminobutyric acid (GABA). It is primarily used to treat spasticity and is in the

Product Data Sheet

early research stages for use for the treatment of alcoholism. It is also used by compounding pharmacies in topical pain creams as a muscle relaxant.It is an agonist for the GABAB receptors. Its beneficial effects in spasticity result from actions at spinal and supraspinal sites. Baclofen can also be used to treat hiccups, and has been shown to prevent rises in body temperature induced by the drug MDMA in rats.In addition, research has shown baclofen to be effective in the treatment of alcohol dependence and withdrawal, by inhibiting both withdrawal symptoms andcravings.

[1]. Mezler M, et al. Cloning and functional expression of GABA(B) receptors from Drosophila. Eur J Neurosci. 2001 Feb;13(3):477-86. [2]. Dzitoyeva S, et al. Gamma-aminobutyric acid B receptor 1 mediates behavior-impairing actions of alcohol in Drosophila: adult RNA interference and pharmacological evidence. Proc Natl Acad Sci U S A. 2003 Apr 29;100(9):5485-90. Epub 2003 Apr 11.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA