Data Sheet (Cat.No.T6355)

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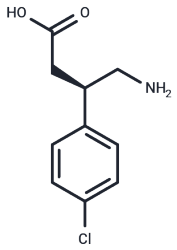
(R)-baclofen

Chemical Properties



CAS No. : 69308-37-8

Formula: C10H12ClNO2

Molecular Weight: 213.66

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	(R)-baclofen (STX209), a derivative of gamma-aminobutyric acid, is commonly utilized for the treatment of spasticity.
Targets(IC50)	GABA Receptor
In vitro	Baclofen is a skeletal muscle relaxant used in the treatment of spasticity of spinal and cerebral origin. Although it is marketed as a racemic mixture, only the baclofen R-enantiomer is stereospecifically active at so called GAGAB-receptors. [1] Researchers believe that the enantiomers of baclofen have different properties. It is claimed that the R-(?)-enantiomer is about 100 times more active than the S-(+)-enantiomer.

Solubility Information

Solubility	H2O: 10 mM, DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6803 mL	23.4017 mL	46.8033 mL
5 mM	0.9361 mL	4.6803 mL	9.3607 mL
10 mM	0.468 mL	2.3402 mL	4.6803 mL
50 mM	0.0936 mL	0.468 mL	0.9361 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.

Reference

Falch E, et al. J Neurochem, 1986, 47(3), 898-903.
Penn RD, et al. Lancet, 1984, 1(8385), 1078.

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