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DATASHEET

Saclofen

Product overview

Name	Saclofen
Cat No	HB0963
Biological action	Antagonist
Purity	>99%
Description	Selective, competitive GABA _B receptor antagonist

Images



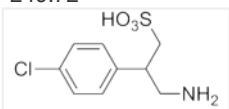
Biological Data

Biological description	Selective and competitive GABA _B receptor antagonist. Inhibits baclofen binding (IC ₅₀ = 7.8 μM).
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in water (10mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	(<i>RS</i>)-3-Amino-2-(4-chlorophenyl)propylsulfonic acid
Molecular Weight	249.72
Chemical structure	
Molecular Formula	C ₉ H ₁₂ ClNO ₃ S
CAS Number	125464-42-8
PubChem identifier	122150
SMILES	C1=CC(=CC=C1C(CN)CS(=O)(=O)O)Cl
InChi	InChI=1S/C9H12ClNO3S/c10-9-3-1-7(2-4-9)8(5-11)6-15(12,13)14/h1-4,8H,5-6,11H2,(H,12,13,14)
InChiKey	JYLNJVJYYQQXNEK-UHFFFAOYSA-N

References

Proposed antagonists at GABAB receptors that inhibit adenylyl cyclase in cerebellar granule cell cultures of rat.

Holopainen I *et al* (1992) *Eur J Pharmacol* 227(2)

PubMedID [1330652](#)

Inhibition of baclofen binding to rat cerebellar membranes by phaclofen, saclofen, 3-aminopropylphosphonic acid and related GABAB receptor antagonists.

Drew CA *et al* (1990) *Neurosci Lett* 113(1)

PubMedID [2164173](#)

Antagonism at GABAB receptors by saclofen and related sulphonic analogues of baclofen and GABA.

Kerr DI *et al* (1989) *Neurosci Lett* 107(1-3)

PubMedID [2559370](#)
