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DATASHEET

Spaglumic acid

Product overview

Name	Spaglumic acid
Cat No	HB0585
Biological action	Agonist
Purity	>98%
Description	Selective mGlu ₃ agonist, peptide neurotransmitter

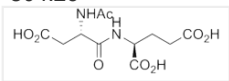
Biological Data

Biological description	Selective mGlu ₃ receptor agonist and endogenous mammalian peptide neurotransmitter. Blood-brain barrier permeable. Shows anti-allergic actions, potential analgesic and neuroprotective effects. Decreases social withdrawal and motor response in mouse models of schizophrenia.
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in water (100mM)
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	N-Acetyl-L-aspartyl-L-glutamic acid
Molecular Weight	304.26
Chemical structure	
Molecular Formula	C ₁₁ H ₁₆ N ₂ O ₈
CAS Number	3106-85-2
PubChem identifier	91873144
SMILES	CC(=O)N[C@@H](CC(=O)O)C(=O)N[C@@H](CCC(=O)O)C(=O)O.O
InChi	InChI=1S/C11H16N2O8.H2O/c1-5(14)12-7(4-9(17)18)10(19)13-6(11(20)21)2-3-8(15)16;/h6-7H,2-4H2,1H3,(H,12,14)(H,13,19)(H,15,16)(H,17,18)(H,20,21);1H2/t6-,7-/m0./s1
InChiKey	LQMRHOYCEMZABM-LEUCUCNGSA-N
MDL number	MFCD00076652
Appearance	White solid

References

N-acetylasparylglutamate selectively activates mGluR3 receptors in transfected cells.

Wroblewska B *et al* (1997) J Neurochem 69(1)

PubMedID [9202308](#)

Comparative efficacy of topical antihistamines in an animal model of early phase allergic conjunctivitis.

