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DATASHEET

Spaglumeric acid

Product overview

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

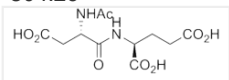
Biological Data

| | |
|-------------------------------|---|
| 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. |
|-------------------------------|---|

Solubility & Handling

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|-----------------------------|---|
| 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-acetylaspartylglutamate 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.

