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DATASHEET

DL-AP4 Sodium salt

Product overview

Name	DL-AP4 Sodium salt
Cat No	HB0250
Biological action	Antagonist
Purity	>99%
Description	Water soluble form of DL-AP4, non-selective glutamate antagonist

Images

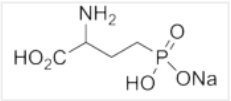
Biological Data

Biological description	Sodium salt form of DL-AP4. Non-selective glutamate antagonist. Water-soluble.

Solubility & Handling

Storage instructions	Room temperature (desiccate)
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	DL-2-Amino-4-phosphonobutyric acid sodium salt
Molecular Weight	205.08
Chemical structure	
Molecular Formula	$C_4H_9NNaO_5P$
CAS Number	1263093-79-3
PubChem identifier	124081039
SMILES	C(CP(=O)(O)[O-])[C@H](C(=O)O)N.[Na+]
Source	Synthetic
InChi	InChI=1S/C4H10NO5P.Na/c5-3(4(6)7)1-2-11(8,9)10;/h3H,1-2,5H2,(H,6,7)(H2,8,9,10);/q;+1/p-1/t3-;/m1./s1

InChiKey	IGWPQOULJIILQQ-AENDTGMFSA-M
Appearance	White solid

References

Antagonism of excitatory amino acid-induced responses and of synaptic excitation in the isolated spinal cord of the frog.

Evans RH *et al* (1979) Br J Pharmacol 67(4)
PubMedID 316343

The effects of a series of omega-phosphonic alpha-carboxylic amino acids on electrically evoked and excitant amino acid-induced responses in isolated spinal cord preparations.

Evans RH *et al* (1982) Br J Pharmacol 75(1)
PubMedID 7042024

Anion transport blockers inhibit DL-2-amino-4-phosphonobutyrate responses induced by quisqualate in the rat cerebral cortex.

Turner JP. (1993) Br J Pharmacol. 109(2)
PubMedID 7689393