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DATASHEET

(R,S)-MCPG sodium salt

Product overview

Name	(R,S)-MCPG sodium salt
Cat No	HB0038
Biological action	Antagonist
Purity	>98%
Description	Water soluble, non-selective group I and II mGluR antagonist

Images

Biological Data

Biological description	Water soluble non-selective group I and II mGluR antagonist. Also competitive antagonist of ACPD sensitive receptors. Shows no effect on locomotor activity. (R,S)-MCPG and (S)-MCPG sodium salt also available. (S)-MCPG also available.

Solubility & Handling

Storage instructions	Room temperature
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	(*RS*)-α-Methyl-4-carboxyphenylglycine disodium salt
Molecular Weight	253.16
Chemical structure	

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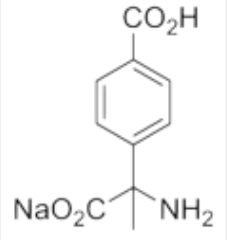

Molecular Formula	$C_{10}H_9NNa_2O_4$
CAS Number	1303994-09-3
PubChem identifier	90488871
SMILES	NC(C)(C(=O)O[Na])c1ccc(cc1)C(=O)O
Source	Synthetic
InChiKey	YGOTXTUQJLFNHB-UHFFFAOYSA-L
Appearance	White solid

References

The metabotropic glutamate receptor antagonist (RS)-MCPG produces hyperlocomotion in amphetamine pre-exposed rats.

Kim JH *et al* (1998) Neuropharmacology 37(2)
PubMedID 9680243

MCPG antagonizes metabotropic glutamate receptors but not long-term potentiation in the hippocampus.

Manzoni OJ *et al* (1994) Eur J Neurosci 6(6)
PubMedID 7952274

Competitive antagonism at metabotropic glutamate receptors by (S)-4-carboxyphenylglycine and (RS)-alpha-methyl-4-carboxyphenylglycine.

Eaton SA *et al* (1993) Eur J Pharmacol 244(2)
PubMedID 8381746