Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



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

Solubility overview Soluble in water (100mM)
Storage instructions Room temperature

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Stable for ambient temperature shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Shipping Conditions

Important

Chemical name Molecular Weight (RS)-α-Methyl-4-carboxyphenylglycine disodium salt

253.16

Chemical structure

NaO₂C NH₂

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)-alphamethyl-4-carboxyphenylglycine.

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