
Product Data Sheet

Product Name: MPDC
Cat. No.: GC14811

Chemical Properties

Cas. No. 159262-32-5

Chemical Name (1R,2S,5S,6S)-3-azabicyclo[3.1.0]hexane-2,6-dicarboxylic acid

SMILES OC([C@@H]1[C@H]2[C@@H]1CN[C@@H]2C(O)=O)=O

Formula C₇H₉NO₄ M.Wt 171.15

Solubility Soluble to 100 mM in Water Storage Store at RT

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

MPDC is a potent and competitive inhibitor of the Na⁺-dependent high-affinity glutamate transporter in forebrain synaptosomes[1].

References:

[1]. Bridges R], et al. A conformationally constrained competitive inhibitor of the sodium-dependent glutamate transporter in forebrain synaptosomes: L-anti-endo-3,4-methanopyrrolidine dicarboxylate. *Neurosci Lett.* 1994 Jun 20;174(2):193-7.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA