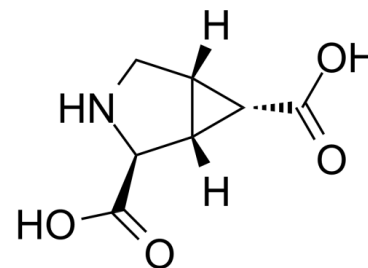


Data Sheet

Product Name:	MPDC
Cat. No.:	CS-0021173
CAS No.:	159262-32-5
Molecular Formula:	C ₇ H ₉ NO ₄
Molecular Weight:	171.15
Target:	GlyT
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

MPDC is a potent and competitive inhibitor of the Na⁺-dependent high-affinity **glutamate transporter** in forebrain synaptosomes^[1].
IC₅₀ & Target: Glutamate transporter^[1].

References:

[1]. Bridges RJ, 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.

CAIndexNames:

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

SMILES:

O=C([C@@H]1[C@@]2([H])[C@@H](C(O)=O)[C@@]2([H])CN1)O

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

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