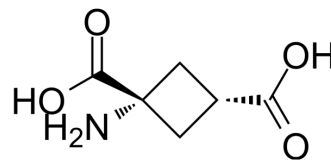


cis-ACBD

Cat. No.:	HY-100616
CAS No.:	73550-55-7
Molecular Formula:	C ₆ H ₉ NO ₄
Molecular Weight:	159.14
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

cis-ACBD is a potent and selective inhibitor of the high-affinity, Na⁺-dependent plasma membrane glutamate transporter. cis-ACBD is a glutamate reuptake inhibitor. cis-ACBD also acts as linear competitive inhibitor of the uptake of D-[3H]aspartate^{[1][2]}.

REFERENCES

[1]. Ai J, et al. Presynaptic excitability as a potential target for the treatment of the traumatic cerebellum. *Pharmacology*. 2004 Aug;71(4):192-8.

[2]. Griffiths R, et al. L-trans-pyrrolidine-2,4-dicarboxylate and cis-1-aminocyclobutane-1,3-dicarboxylate behave as transportable, competitive inhibitors of the high-affinity glutamate transporters. *Biochem Pharmacol*. 1994 Jan 20;47(2):267-74.

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

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