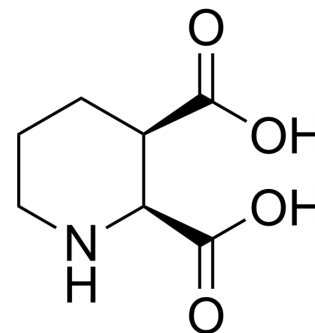


cis-Piperidine-2,3-dicarboxylic acid

Cat. No.: HY-121964
CAS No.: 46026-75-9
Molecular Formula: C₇H₁₁NO₄
Molecular Weight: 173.17
Target: iGluR
Pathway: Membrane Transporter/Ion Channel; Neuronal Signaling
Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (577.47 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		5.7747 mL	28.8734 mL	57.7467 mL
	5 mM		1.1549 mL	5.7747 mL	11.5493 mL
	10 mM		0.5775 mL	2.8873 mL	5.7747 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Cis-piperidine-2,3-dicarboxylic acid is a non-specific antagonist of NMDA, AMPA and kainate ionotropic receptors and a partial agonist for NMDA receptors. Cis-piperidine-2,3-dicarboxylic acid can be used in blocking general excitatory synaptic transmissions^[1].

REFERENCES

[1]. Viswanathan S, et al. Inner-retinal contributions to the photopic sinusoidal flicker electroretinogram of macaques. Macaque photopic sinusoidal flicker ERG. Doc Ophthalmol. 2002 Sep;105(2):223-42.

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

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