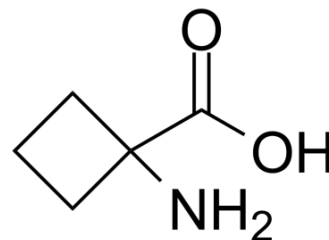


1-Aminocyclobutanecarboxylic acid

Cat. No.: HY-30006
CAS No.: 22264-50-2
Molecular Formula: C₅H₉NO₂
Molecular Weight: 115.13
Target: iGluR
Pathway: Membrane Transporter/Ion Channel; Neuronal Signaling
Storage: 4°C, stored under nitrogen
 * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 27.78 mg/mL (241.29 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	8.6858 mL	43.4292 mL	86.8583 mL
	5 mM	1.7372 mL	8.6858 mL	17.3717 mL
	10 mM	0.8686 mL	4.3429 mL	8.6858 mL

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

BIOLOGICAL ACTIVITY

Description

1-Aminocyclobutanecarboxylic acid is a NMDA receptor partial agonist acting at the glycine site, NR1^[1].

REFERENCES

[1]. Atsushi Inanobe, et al. Mechanism of partial agonist action at the NR1 subunit of NMDA receptors. Neuron. 2005 Jul 7;47(1):71-84.

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

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