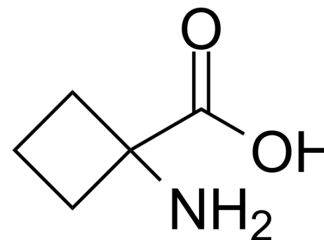


1-Aminocyclobutanecarboxylic acid

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 | H ₂ O : 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. | | | | | | |
| In Vivo | 1. Add each solvent one by one: PBS Solubility: 33.33 mg/mL (289.50 mM); Clear solution; Need ultrasonic | | | | | |

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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