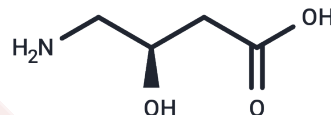


(R)-4-Amino-3-hydroxybutyric Acid**Chemical Properties**

CAS No. :	7013-07-2
Formula:	C ₄ H ₉ NO ₃
Molecular Weight:	119.12
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

**Biological Description**

Description	(R)-4-Amino-3-hydroxybutyric acid, also known as (R)-GABOB, acts as a modulator of GABA receptors, specifically binding to both GABAA and GABAB receptors and blocking GABA reuptake in rat brain synaptosomes. Additionally, it serves as a GABAC receptor agonist, triggering currents in patch-clamp assays with <i>Xenopus</i> oocytes that express the human receptor. In vivo studies reveal its capability to suppress electrical discharges in the amygdala in cats undergoing N-amidinobenzamide-triggered seizures, indicating its potential therapeutic application in managing seizure disorders.
Targets(IC50)	Others,GABA Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.3949 mL	41.9745 mL	83.949 mL
5 mM	1.679 mL	8.3949 mL	16.7898 mL
10 mM	0.8395 mL	4.1974 mL	8.3949 mL
50 mM	0.1679 mL	0.8395 mL	1.679 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481