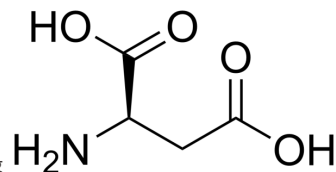


(-)-Aspartic acid

Cat. No.:	HY-42068		
CAS No.:	1783-96-6		
Molecular Formula:	C ₄ H ₇ NO ₄		
Molecular Weight:	133.1		
Target:	Endogenous Metabolite; iGluR		
Pathway:	Metabolic Enzyme/Protease; Membrane Transporter/Ion Channel; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

H₂O : 7.69 mg/mL (57.78 mM; Need ultrasonic)
 DMSO : < 1 mg/mL (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.5131 mL	37.5657 mL	75.1315 mL
	5 mM	1.5026 mL	7.5131 mL	15.0263 mL
	10 mM	0.7513 mL	3.7566 mL	7.5131 mL

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

In Vivo

1. Add each solvent one by one: PBS
 Solubility: 2 mg/mL (15.03 mM); Clear solution; Need ultrasonic and warming and heat to 60°C

BIOLOGICAL ACTIVITY

Description

(-)-Aspartic acid is an endogenous NMDA receptor agonist.

IC₅₀ & Target

Human Endogenous Metabolite	NMDA Receptor	Microbial Metabolite
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Caution: Product has not been fully validated for medical applications. For research use only.

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