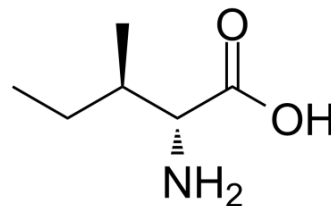


## D-Isoleucine

Cat. No.:	HY-I1070		
CAS No.:	319-78-8		
Molecular Formula:	C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>		
Molecular Weight:	131.17		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

D-Isoleucine ((R)-Isoleucine), an isoleucine stereoisomer, is a selective activator of Asc-1 antiporter, which enhances long-term potentiation at the hippocampal CA1-CA3 via release of endogenous D-serine<sup>[1]</sup>.

### REFERENCES

[1]. Rosenberg D, et, al. Neuronal D-serine and glycine release via the Asc-1 transporter regulates NMDA receptor-dependent synaptic activity. J Neurosci. 2013 Feb 20;33(8):3533-44.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA