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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

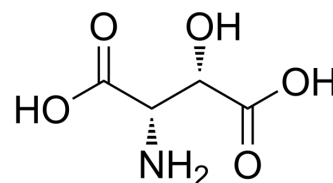
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

DL-threo-3-Hydroxyaspartic acid

Cat. No.:	HY-100801A
CAS No.:	4294-45-5
Molecular Formula:	C ₄ H ₇ NO ₅
Molecular Weight:	149.1
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture Powder -80°C 2 years -20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 16.67 mg/mL (111.80 mM; ultrasonic and adjust pH to 12 with 1 M NaOH)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	6.7069 mL	33.5345 mL	67.0691 mL
5 mM	1.3414 mL	6.7069 mL	13.4138 mL
10 mM	0.6707 mL	3.3535 mL	6.7069 mL

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

BIOLOGICAL ACTIVITY

Description

DL-threo-3-Hydroxyaspartic acid is a glutamate uptake inhibitor that can block glutamate transport in cannulated sprague dawley rat^{[1][2]}.

REFERENCES

- [1]. A Klegeris, et al. Regulation of glutamate in cultures of human monocytic THP-1 and astrocytoma U-373 MG cells. *J Neuroimmunol.* 1997 Sep;78(1-2):152-61.
- [2]. Jessica Darman, et al. Viral-induced spinal motor neuron death is non-cell-autonomous and involves glutamate excitotoxicity. *J Neurosci.* 2004 Aug 25;24(34):7566-75.

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