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Weitere Information auf den folgenden Seiten!
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

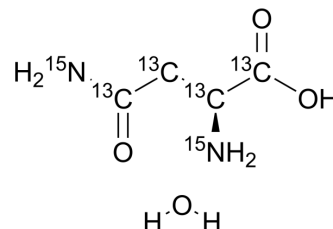
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L-Asparagine-¹³C₄,¹⁵N₂ monohydrate

Cat. No.:	HY-W017443S
CAS No.:	202406-87-9
Molecular Formula:	¹³ C ₄ H ₇ ¹⁵ N ₂ O ₄
Molecular Weight:	156.09
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 20 mg/mL (128.13 mM; Need ultrasonic)
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DMSO : 1 mg/mL (6.41 mM; ultrasonic and warming and heat to 60°C)
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	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		6.4066 mL	32.0328 mL	64.0656 mL
	5 mM		1.2813 mL	6.4066 mL	12.8131 mL
	10 mM		0.6407 mL	3.2033 mL	6.4066 mL

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

BIOLOGICAL ACTIVITY

Description

L-Asparagine-¹³C₄,¹⁵N₂ (monohydrate) is the ¹³C-labeled and ¹⁵N-labeled L-Asparagine monohydrate. L-Asparagine monohydrate ((-)-Asparagine monohydrate) is a non-essential amino acid that is involved in the metabolic control of cell functions in nerve and brain tissue.

In Vitro

Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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