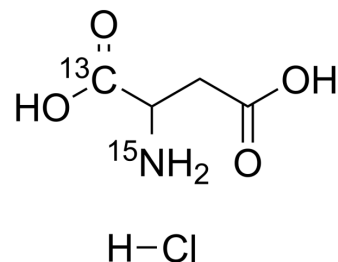


DL-Aspartic acid-¹³C,¹⁵N-1 hydrochloride

Cat. No.:	HY-W015824S5
Molecular Formula:	C ₃ ¹³ CH ₈ Cl ¹⁵ NO ₄
Molecular Weight:	171.55
Target:	Isotope-Labeled Compounds
Pathway:	Others
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	DMSO : 50 mg/mL (291.46 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		5.8292 mL	29.1460 mL	58.2920 mL
		5 mM		1.1658 mL	5.8292 mL	11.6584 mL
		10 mM		0.5829 mL	2.9146 mL	5.8292 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 5 mg/mL (29.15 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (29.15 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (29.15 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	DL-Aspartic acid- ¹³ C, ¹⁵ N-1 hydrochloride is the ¹³ C and ¹⁵ N labeled DL-Aspartic acid.
In Vitro	<p>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].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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