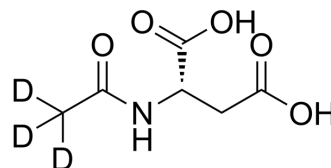


N-Acetyl-L-aspartic acid-d₃-1

Cat. No.:	HY-W710495		
CAS No.:	1383929-94-9		
Molecular Formula:	C ₆ H ₆ D ₃ NO ₅		
Molecular Weight:	178.16		
Target:	Isotope-Labeled Compounds		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	N-Acetyl-L-aspartic acid-d ₃ -1 is the deuterium labeled N-Acetyl-L-aspartic acid (HY-W710495) ^[1] .
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

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Benuck M, et al. Acetyl transport mechanisms. Metabolism of N-acetyl-L-aspartic acid in the non-nervous tissues of the rat. *Biochim Biophys Acta*. 1968 May 1;152(3):611-8.

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

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