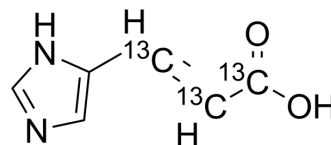


Urocanic acid-¹³C₃

Cat. No.:	HY-113008S1
CAS No.:	1173097-34-1
Molecular Formula:	C ₃ ¹³ C ₃ H ₆ N ₂ O ₂
Molecular Weight:	141.1
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Urocanic acid- ¹³ C ₃ is the ¹³ C labeled Urocanic acid[1]. Urocanic acid, produced in the upper layers of mammalian skin, is a major absorber of ultraviolet radiation (UVR)[2].
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]. Gibbs NK, et al. Recent advances in urocanic acid photochemistry, photobiology and photoimmunology. *Photochem Photobiol Sci*. 2008 Jun;7(6):655-67.

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

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