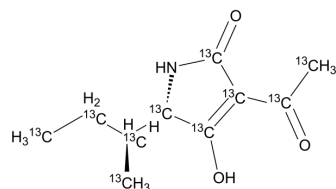


Tenuazonic acid-¹³C₁₀

Cat. No.:	HY-N6715S
Molecular Formula:	¹³ C ₁₀ H ₁₅ NO ₃
Molecular Weight:	207.16
Target:	Influenza Virus; Bacterial; Isotope-Labeled Compounds
Pathway:	Anti-infection; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tenuazonic acid- ¹³ C ₁₀ is ¹³ C labeled 2,6-Dimethylpyrazine (HY-W040790). 2,6-Dimethylpyrazine is a key aroma compound in <i>Boletus edulis</i> ^[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]. Zhou B, et al. An evaluation of tenuazonic acid, a potential biobased herbicide in cotton. *Pest Manag Sci*. 2019 Mar 7.
- [2]. Chen S, et al. Recent advances in tenuazonic acid as a potential herbicide. *Pestic Biochem Physiol*. 2017 Nov;143:252-257.
- [3]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.

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