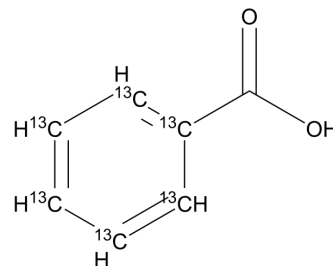


Benzoic acid-¹³C₆

Cat. No.:	HY-N0216S1
CAS No.:	125945-98-4
Molecular Formula:	C ¹³ C ₆ H ₆ O ₂
Molecular Weight:	128.08
Target:	Fungal; Bacterial; Endogenous Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	4°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



BIOLOGICAL ACTIVITY

Description	Benzoic acid- ¹³ C ₆ is the ¹³ C-labeled Benzoic acid. Benzoic acid is an aromatic alcohol existing naturally in many plants and is a common additive to food, drinks, cosmetics and other products. It acts as preservatives through inhibiting both bacteria and fungi.
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;53(2):211-216.
- [2]. Nair B, et al. Final report on the safety assessment of Benzyl Alcohol, Benzoic Acid, and Sodium Benzoate. *Int J Toxicol.* 2001;20 Suppl 3:23-50.

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

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