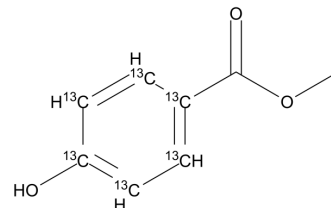


Methyl Paraben-¹³C₆

Cat. No.:	HY-N0349S1
CAS No.:	1581694-95-2
Molecular Formula:	C ₂ ¹³ C ₆ H ₈ O ₃
Molecular Weight:	158.1
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	<div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div>



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (632.51 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		6.3251 mL	31.6256 mL	63.2511 mL
	5 mM		1.2650 mL	6.3251 mL	12.6502 mL
	10 mM		0.6325 mL	3.1626 mL	6.3251 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Methyl Paraben-¹³C₆ (Methyl 4-hydroxybenzoate-¹³C₆) is a ¹³C labeled Methyl Paraben (HY-N0349)^[1]. Methyl Paraben, isolated from the barks of *Tsuga dumosa* the methyl ester of p-hydroxybenzoic acid, is a standardized chemical allergen. Methyl Paraben is a stable, non-volatile compound used as an antimicrobial preservative in foods, agents and cosmetics. The physiologic effect of Methyl Paraben is by means of increased histamine release, and cell-mediated immunity^[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]. Soni MG, et al. Evaluation of the health aspects of methyl paraben: a review of the published literature. Food Chem Toxicol. 2002 Oct;40(10):1335-73.

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

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