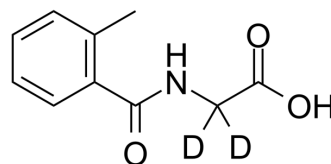


2-(2-Methylbenzamido)acetic acid-d2

Cat. No.:	HY-W015060S1
CAS No.:	1185100-98-4
Molecular Formula:	C ₁₀ H ₉ D ₂ NO ₃
Molecular Weight:	195.21
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	2-(2-Methylbenzamido)acetic acid-d2 is the deuterium labeled 2-(2-Methylbenzamido)acetic acid. 2-(2-Methylbenzamido)acetic acid is a metabolite detected in urine.
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]. Remane D, et al. Validation of a multi-analyte HPLC-DAD method for determination of uric acid, creatinine, homovanillic acid, niacinamide, hippuric acid, indole-3-acetic acid and 2-methylhippuric acid in human urine. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2015 Aug 15;998-999:40-4.

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

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