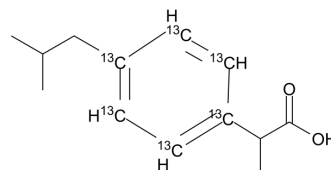


Ibuprofen-¹³C₆

Cat. No.:	HY-78131S3
CAS No.:	1216459-54-9
Molecular Formula:	C ₇ ¹³ C ₆ H ₁₈ O ₂
Molecular Weight:	212.24
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ibuprofen- ¹³ C ₆ ((±)-Ibuprofen- ¹³ C ₆) is a ¹³ C labeled Ibuprofen (HY-78131). Ibuprofen ((±)-Ibuprofen) is a potent, orally active, selective COX-1 inhibitor with an IC ₅₀ value of 13 μM. Ibuprofen inhibits cell proliferation, angiogenesis, and induces cell apoptosis. Ibuprofen is a nonsteroidal anti-inflammatory agent and a nitric oxide (NO) donor. Ibuprofen ((±)-Ibuprofen) can be used in the research of pain, swelling, inflammation, infection, immunology, cancers ^{[1][2][3][4][5]} .
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.

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

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