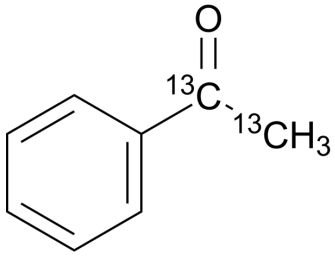
Acetophenone-1,2-13C2

Cat. No.:	HY-Y0989S2
CAS No.:	190314-15-9
Molecular Formula:	$C_6{}^{13}C_2H_8O$
Molecular Weight:	122.13
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Acetophenone-1,2-$^{13}C_2$ is the ^{13}C-labeled Acetophenone. Acetophenone is an organic compound with simple structure[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]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

[2]. Żymańczyk-Duda E, et al. Reductive capabilities of different cyanobacterial strains towards acetophenone as a model substrate - Prospect of applications for chiral building blocks synthesis. Bioorg Chem. 2019 Feb 25. pii: S0045-2068(18)31467-6.

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