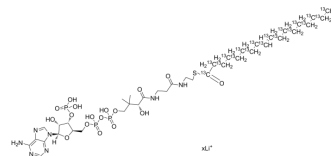


Oleoyl coenzyme A-¹³C₁₈ lithium

Cat. No.:	HY-109591S
Molecular Formula:	C ₂₁ ¹³ C ₁₈ H ₆₈ N ₇ O ₁₇ P ₃ S.xLi
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Oleoyl coenzyme A- ¹³ C ₁₈ (lithium) is the ¹³ C labeled Oleoyl Coenzyme A lithium[1]. Oleoyl coenzyme A (Oleoyl-CoA) is a thioester of oleic acid and coenzyme A. Oleoyl coenzyme A has a role as an Escherichia coli metabolite and a mouse metabolite[2][3].
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 Feb;53(2):211-216.
- [2]. Regina Ensenaer, et al. Human acyl-CoA dehydrogenase-9 plays a novel role in the mitochondrial beta-oxidation of unsaturated fatty acids. *J Biol Chem*. 2005 Sep 16;280(37):32309-16.
- [3]. F M Gribble, et al. Mechanism of cloned ATP-sensitive potassium channel activation by oleoyl-CoA. *J Biol Chem*. 1998 Oct 9;273(41):26383-7.

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

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