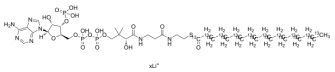
Stearoyl coenzyme A-$^{13}C_{18}$ lithium

Cat. No.:	HY-134423S
Molecular Formula:	$C_{21}{}^{13}C_{18}H_{70}N_7O_{17}P_3S$
Molecular Weight:	1051.86
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description	Stearoyl coenzyme A-$^{13}C_{18}$ (lithium) is the ^{13}C labeled Stearoyl coenzyme A lithium[1]. Stearoyl coenzyme A (Stearoyl-CoA) lithium is an active compound that can be used as a substrate for the determination of stearoyl-Coenzyme desaturase in microsomes[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]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

[2]. L D Lawson, et al. beta-Oxidation of the coenzyme A esters of elaidic, oleic, and stearic acids and their full-cycle intermediates by rat heart mitochondria. Biochim Biophys Acta. 1979 May 25;573(2):245-54.

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

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