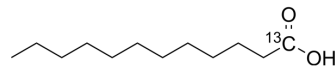


Lauric acid-¹³C

Cat. No.:	HY-Y0366S	
CAS No.:	93639-08-8	
Molecular Formula:	C ₁₁ ¹³ CH ₂₄ O ₂	
Molecular Weight:	201.31	
Target:	Bacterial; Endogenous Metabolite	
Pathway:	Anti-infection; Metabolic Enzyme/Protease	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



BIOLOGICAL ACTIVITY

Description

Lauric acid-¹³C is the ¹³C labeled Lauric acid. Lauric acid is a middle chain-free fatty acid with strong bactericidal properties. The EC50s for P. acnes, S. aureus, S. epidermidis, are 2, 6, 4 µg/mL, respectively.

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.

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