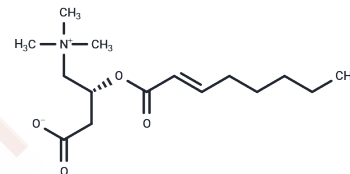


trans-2-Octenoyl-L-carnitine

Chemical Properties

CAS No. :	152064-94-3
Formula:	C ₁₅ H ₂₇ NO ₄
Molecular Weight:	285.38
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	trans-2-Octenoyl-L-carnitine (CAR 8:1; C8:1 Carnitine) is a synthetic carnitine commonly used for the qualitative and quantitative analysis of carnitine-related substances in human urine samples.
Targets(IC50)	Others

Solubility Information

Solubility	Methanol: Slightly soluble DMSO: 16.66 mg/mL (58.38 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5041 mL	17.5205 mL	35.041 mL
5 mM	0.7008 mL	3.5041 mL	7.0082 mL
10 mM	0.3504 mL	1.752 mL	3.5041 mL
50 mM	0.0701 mL	0.3504 mL	0.7008 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Yang, et al. cis-3,4-methylene-heptanoylcarnitine: Characterization and verification of the C8:1 acylcarnitine in human urine. J. Chromatogr. B. Analyt. Technol. Biomed. Life Sci. 857(2), 251-258 (2007).

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