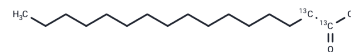


## Palmitic acid-13C2

## Chemical Properties

CAS No. :	86683-25-2
Formula:	C16H32O2
Molecular Weight:	258.415
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	Palmitic acid-13C2 is the 13C-labeled Palmitic acid. Palmitic acid (T2908) is a long-chain saturated fatty acid commonly found in both animals and plants. Palmitic acid (T2908) can induce the expression of glucose-regulated protein 78 (GRP78) and CCAAT/enhancer binding protein homologous protein (CHOP) in mouse granulosa cells.
Targets(IC50)	HSP

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8697 mL	19.3483 mL	38.6967 mL
5 mM	0.7739 mL	3.8697 mL	7.7393 mL
10 mM	0.387 mL	1.9348 mL	3.8697 mL
50 mM	0.0774 mL	0.387 mL	0.7739 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

Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

Harada H, et al. Antitumor activity of palmitic acid found as a selective cytotoxic substance in a marine red alga. Anticancer Res. 2002 Sep-Oct;22(5):2587-90.

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