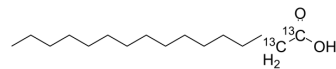


## Palmitic acid-<sup>13</sup>C<sub>2</sub>

Cat. No.:	HY-N0830S10		
CAS No.:	86683-25-2		
Molecular Formula:	C <sub>14</sub> <sup>13</sup> C <sub>2</sub> H <sub>32</sub> O <sub>2</sub>		
Molecular Weight:	258.41		
Target:	HSP		
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

Palmitic acid-<sup>13</sup>C<sub>2</sub> is the <sup>13</sup>C-labeled Palmitic acid. Palmitic acid is a long-chain saturated fatty acid commonly found in both animals and plants. Palmitic acid can induce the expression of glucose-regulated protein 78 (GRP78) and CCAAT/enhancer binding protein homologous protein (CHOP) in mouse granulosa cells[1][2].

### REFERENCES

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

[2]. 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.

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

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