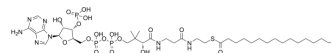


## Palmitoyl coenzyme A

Cat. No.:	HY-154922
CAS No.:	1763-10-6
Molecular Formula:	C <sub>37</sub> H <sub>66</sub> N <sub>7</sub> O <sub>17</sub> P <sub>3</sub> S
Molecular Weight:	1005.94
Target:	Others; Endogenous Metabolite
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Palmitoyl coenzyme A is an acyl-CoA thioester that can be transported into the mitochondrial matrix via the carnitine shuttle system and is involved in  $\beta$ -oxidation. Palmitoyl coenzyme A can also be used as a substrate for sphingosine biosynthesis<sup>[1][2]</sup>.

### REFERENCES

- [1]. A G Goodridge, et al. Regulation of the activity of acetyl coenzyme A carboxylase by palmitoyl coenzyme A and citrate. J Biol Chem. 1972 Nov 10;247(21):6946-52.
- [2]. L A Fahien, et al. Regulation of glutamate dehydrogenase by palmitoyl-coenzyme A. Arch Biochem Biophys. 1981 Nov;212(1):247-53.

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

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