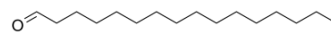


## Hexadecanal

<b>Cat. No.:</b>	HY-W004305
<b>CAS No.:</b>	629-80-1
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>32</sub> O
<b>Molecular Weight:</b>	240.42
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 5 mg/mL (20.80 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.1594 mL	20.7969 mL	41.5939 mL
	5 mM	0.8319 mL	4.1594 mL	8.3188 mL
	10 mM	0.4159 mL	2.0797 mL	4.1594 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Hexadecanal (Palmitaldehyde) is a free fatty aldehyde present in animals<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

Endogenous Metabolite<sup>[1]</sup>

### REFERENCES

[1]. Gilbertson JR, et al. Isolation and analysis of free fatty aldehydes from rat, dog, and bovine heart muscle. J Lipid Res. 1967 Jan;8(1):38-45.

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

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