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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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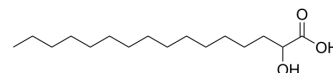
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2-Hydroxypalmitic acid

Cat. No.:	HY-N7814
CAS No.:	764-67-0
Molecular Formula:	C ₁₆ H ₃₂ O ₃
Molecular Weight:	272.42
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (183.54 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.6708 mL	18.3540 mL	36.7080 mL
	5 mM	0.7342 mL	3.6708 mL	7.3416 mL
	10 mM	0.3671 mL	1.8354 mL	3.6708 mL

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

BIOLOGICAL ACTIVITY

Description	2-Hydroxypalmitic acid is an intermediate in phytosphingosine metabolism ^[1] .
IC ₅₀ & Target	Microbial Metabolite

REFERENCES

[1]. Kondo N, et al. Identification of the phytosphingosine metabolic pathway leading to odd-numbered fatty acids [published correction appears in Nat Commun. 2015;6:6815]. Nat Commun. 2014;5:5338. Published 2014 Oct 27.

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

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