SZABO SCANDIC

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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Octadecanedioic acid

Cat. No.: HY-W005178

CAS No.: 871-70-5

Molecular Formula: $C_{18}H_{34}O_4$

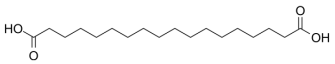
Molecular Weight: 314.46

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 : 100 mg/mL (318.01 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.1801 mL	15.9003 mL	31.8005 mL
	5 mM	0.6360 mL	3.1801 mL	6.3601 mL
	10 mM	0.3180 mL	1.5900 mL	3.1801 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: 2.5 mg/mL (7.95 mM); Suspended solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (7.95 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Octadecanedioic acid, an endogenous metabolite, is a long-chain dicarboxylic acid that has been found in serum free fatty acid profile in Reye syndrome[1].

IC_{50} & Target

Human Endogenous Metabolite

REFERENCES

[1]. Tonsgard JH. Serum dicarboxylic acids in patients with Reye syndrome. J Pediatr. 1986 Sep;109(3):440-5.

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

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