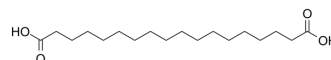


## Octadecanedioic acid

Cat. No.:	HY-W005178		
CAS No.:	871-70-5		
Molecular Formula:	C <sub>18</sub> H <sub>34</sub> O <sub>4</sub>		
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)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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 <sup>[1]</sup> .
IC <sub>50</sub> & Target	Human Endogenous Metabolite

### REFERENCES

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

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

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