



SZABO SCANDIC

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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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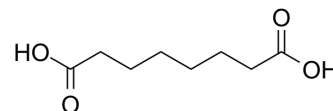
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Suberic acid

Cat. No.:	HY-W015300		
CAS No.:	505-48-6		
Molecular Formula:	C ₈ H ₁₄ O ₄		
Molecular Weight:	174.2		
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 (574.05 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	5.7405 mL	28.7026 mL	57.4053 mL
		5 mM	1.1481 mL	5.7405 mL	11.4811 mL
10 mM		0.5741 mL	2.8703 mL	5.7405 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 3.25 mg/mL (18.66 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 3.25 mg/mL (18.66 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3.25 mg/mL (18.66 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Suberic acid (Octanedioic acid) is found to be associated with carnitine-acylcarnitine translocase deficiency, malonyl-Coa decarboxylase deficiency.
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Gregersen N, et al. General (medium-chain) acyl-CoA dehydrogenase deficiency (non-ketotic dicarboxylic aciduria): quantitative urinary excretion pattern of 23 biologically significant organic acids in three cases. Clin Chim Acta. 1983 Aug 15;132(2):181-91

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

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