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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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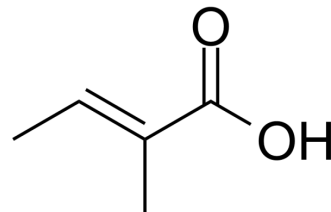
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Tiglic acid

Cat. No.:	HY-W012999	
CAS No.:	80-59-1	
Molecular Formula:	C ₅ H ₈ O ₂	
Molecular Weight:	100.12	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Powder	-20°C 3 years 4°C 2 years
	In solvent	-80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (998.80 mM; Need ultrasonic)
H₂O : 5 mg/mL (49.94 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	9.9880 mL	49.9401 mL	99.8801 mL
	5 mM	1.9976 mL	9.9880 mL	19.9760 mL
	10 mM	0.9988 mL	4.9940 mL	9.9880 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 15 mg/mL (149.82 mM); Clear solution; Need ultrasonic and warming and heat to 54°C
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (24.97 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (24.97 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (24.97 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Tiglic acid is a monocarboxylic unsaturated organic acid found in croton oil and in several other natural products. Tiglic acid has a role as a plant metabolite^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. ROBERT E. BUCKLES, et al. THE PREPARATION OF TIGLIC AND ANGELIC ACIDS AND ESTERS. Cite This: J. Org. Chem. 1950 15 3680-684.

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

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