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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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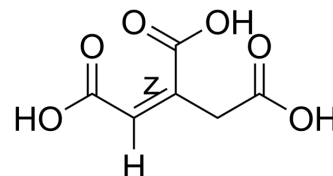
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(Z)-Aconitic acid

Cat. No.:	HY-W016814	
CAS No.:	585-84-2	
Molecular Formula:	C ₆ H ₆ O ₆	
Molecular Weight:	174.11	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (574.35 mM; Need ultrasonic)
 DMSO : ≥ 100 mg/mL (574.35 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		5.7435 mL	28.7175 mL	57.4350 mL
	5 mM		1.1487 mL	5.7435 mL	11.4870 mL
	10 mM		0.5743 mL	2.8717 mL	5.7435 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 100 mg/mL (574.35 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (14.36 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (14.36 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (14.36 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(Z)-Aconitic acid (cis-Aconitic acid) is the cis-isomer of Aconitic acid. (Z)-Aconitic acid (cis-Aconitic acid) is an intermediate in the tricarboxylic acid cycle produced by the dehydration of citric acid.

IC₅₀ & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

- J Agric Food Chem. 2021 Nov 18.

See more customer validations on www.MedChemExpress.com

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

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