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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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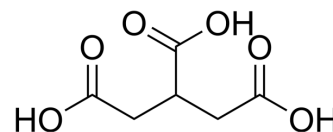
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Tricarballic acid

Cat. No.:	HY-W020215
CAS No.:	99-14-9
Molecular Formula:	C ₆ H ₈ O ₆
Molecular Weight:	176.12
Target:	Mitochondrial Metabolism; 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 : 250 mg/mL (1419.49 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		5.6779 mL	28.3897 mL	56.7795 mL
		5 mM		1.1356 mL	5.6779 mL	11.3559 mL
		10 mM		0.5678 mL	2.8390 mL	5.6779 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: ≥ 2.08 mg/mL (11.81 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (11.81 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (11.81 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Tricarballic acid, a conjugate acid of a tricarballic acid, is a competitive inhibitor of the enzyme aconitate hydratase (aconitase; EC 4.2.1.3) with a K _i value of 0.52 mM ^[1] .
IC ₅₀ & Target	Microbial Metabolite

REFERENCES

[1]. Owens MJ, et al. Neurotransmitter receptor and transporter binding profile of antidepressants and their metabolites. J Pharmacol Exp Ther. 1997 Dec;283(3):1305-22. PMID: 9400006...

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

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