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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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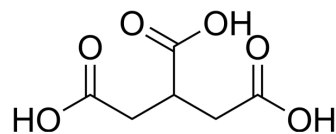
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Tricarballic acid

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)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	<ol style="list-style-type: none"> 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 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 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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