



SZABO SCANDIC

Part of Europa Biosite

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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

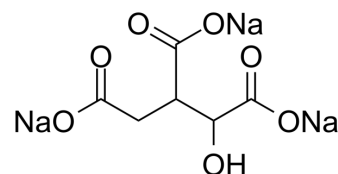
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

DL-Isocitric acid trisodium salt

Cat. No.:	HY-W009362
CAS No.:	1637-73-6
Molecular Formula:	C ₆ H ₅ Na ₃ O ₇
Molecular Weight:	258.07
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (387.49 mM; Need ultrasonic) DMSO : < 1 mg/mL (ultrasonic) (insoluble or slightly soluble)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	3.8749 mL	19.3746 mL	38.7492 mL
		5 mM	0.7750 mL	3.8749 mL	7.7498 mL
		10 mM	0.3875 mL	1.9375 mL	3.8749 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (387.49 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	DL-Isocitric acid trisodium salt is an endogenous metabolite. DL-Isocitric acid trisodium salt is an intermediate product in the citric acid cycle. DL-Isocitric acid trisodium salt can be used as a marker for determining the composition of isocitrates in fruit products ^[1] .
In Vitro	DL-Isocitric acid trisodium salt, as an intermediate product of citric acid cycle, can inhibit the hypertrophy of cardiomyocytes ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

-
- Nature. 2024 Dec 18.
 - Cell Death Dis. 2023 Aug 15;14(8):520.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Liang M, et al. Hydrogen sulfide improves glucose metabolism and prevents hypertrophy in cardiomyocytes. Nitric Oxide. 2015 Apr 30;46:114-22.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA