



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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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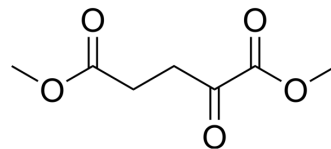
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Dimethyl 2-oxoglutarate

Cat. No.:	HY-44134		
CAS No.:	13192-04-6		
Molecular Formula:	C ₇ H ₁₀ O ₅		
Molecular Weight:	174.15		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (574.22 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	5.7422 mL	28.7109 mL	57.4218 mL
5 mM	1.1484 mL	5.7422 mL	11.4844 mL
10 mM	0.5742 mL	2.8711 mL	5.7422 mL

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

BIOLOGICAL ACTIVITY

Description

Dimethyl 2-oxoglutarate serves as a crucial intermediate in the Krebs cycle and an essential nitrogen carrier in metabolic pathways during biological processes. The electrochemical behavior of Dimethyl 2-oxoglutarate can be investigated using cyclic voltammetry, square wave voltammetry, and differential pulse voltammetry with a glassy carbon electrode^[1].

IC₅₀ & Target

Microbial Metabolite

REFERENCES

[1]. Shah A, et al. Electrochemical behaviour of dimethyl-2-oxoglutarate on glassy carbon electrode[J]. Bioelectrochemistry, 2010, 77(2): 145-150.

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

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