



# 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

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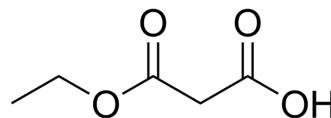
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## 3-Ethoxy-3-oxopropanoic acid

Cat. No.:	HY-Y1031		
CAS No.:	1071-46-1		
Molecular Formula:	C <sub>5</sub> H <sub>8</sub> O <sub>4</sub>		
Molecular Weight:	132.11		
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 (756.94 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.5694 mL	37.8472 mL	75.6945 mL
	5 mM	1.5139 mL	7.5694 mL	15.1389 mL
	10 mM	0.7569 mL	3.7847 mL	7.5694 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (18.92 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (18.92 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (18.92 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

3-Ethoxy-3-oxopropanoic acid is an endogenous metabolite. 3-Ethoxy-3-oxopropanoic acid promotes plant growth<sup>[1]</sup>.

### REFERENCES

[1]. Yang Xunan, et al. Application of monoethyl malonate in plant growth promotion. Patent. CN115024322.

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

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