



# 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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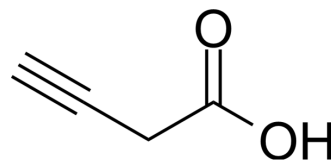
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## 3-Butynoic acid

<b>Cat. No.:</b>	HY-W004784		
<b>CAS No.:</b>	2345-51-9		
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>4</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	84		
<b>Target:</b>	Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 100 mg/mL (1190.48 mM; Need ultrasonic)

DMSO : ≥ 100 mg/mL (1190.48 mM)

\* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	11.9048 mL	59.5238 mL	119.0476 mL
	5 mM	2.3810 mL	11.9048 mL	23.8095 mL
	10 mM	1.1905 mL	5.9524 mL	11.9048 mL

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

### BIOLOGICAL ACTIVITY

#### Description

3-Butynoic acid is an inhibitor of acyl CoA dehydrogenase<sup>[1]</sup>. 3-Butynoic acid is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite

### REFERENCES

[1]. Akedo, M., et al. Direct Demonstration of Lactate–Acrylate Interconversion in Clostridium Propionicum. Nat Biotechnol 1, 791–794 (1983).

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

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