



# 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

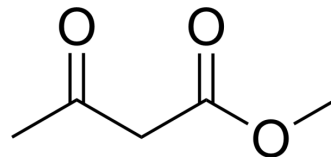
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## Methyl acetylacetate (Standard)

<b>Cat. No.:</b>	HY-Y1298R
<b>CAS No.:</b>	105-45-3
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>8</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	116.12
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (861.18 mM; Need ultrasonic)  
 H<sub>2</sub>O : 100 mg/mL (861.18 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		8.6118 mL	43.0589 mL	86.1178 mL
	5 mM		1.7224 mL	8.6118 mL	17.2236 mL
	10 mM		0.8612 mL	4.3059 mL	8.6118 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Methyl acetylacetate (Standard) is the analytical standard of Methyl acetylacetate. This product is intended for research and analytical applications. Methyl acetylacetate is a chemical reagent used in the synthesis of pharmaceuticals for the synthesis of  $\alpha$ -substituted acetoacetate and cyclic compounds such as pyrazole, pyrimidine, and coumarin derivatives<sup>[1]</sup>.

### CUSTOMER VALIDATION

- Front Cell Dev Biol. 2021 Jun 11;9:684393.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

---

[1]. Folkendt M M, et al. Gas-phase proton NMR studies of keto-enol tautomerism of acetylacetone, methyl acetoacetate, and ethyl acetoacetate. The Journal of Physical Chemistry, 1985, 89(15): 3347-3352.

---

**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](mailto:tech@MedChemExpress.com)

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