



# 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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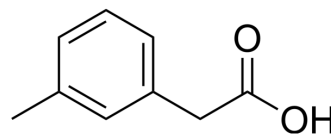
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## m-Tolylacetic acid

Cat. No.:	HY-W053507		
CAS No.:	621-36-3		
Molecular Formula:	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>		
Molecular Weight:	150.17		
Target:	Drug Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-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 (665.91 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.6591 mL	33.2956 mL	66.5912 mL
	5 mM	1.3318 mL	6.6591 mL	13.3182 mL
	10 mM	0.6659 mL	3.3296 mL	6.6591 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 (16.65 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (16.65 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

m-Tolylacetic acid (3-Methylbenzeneacetic acid) is a hydroaromatic dicarboxylic acids excreted in the urine as metabolite of tolueneacetic acid<sup>[1]</sup>.

### REFERENCES

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[1]. BERNHARD K, et al. [Further studies on the metabolic behavior of some aromatic and hydroaromatic mono- and dicarboxylic acids]. Hoppe Seylers Z Physiol Chem. 1958;310(1-2):37-43.

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

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