



# 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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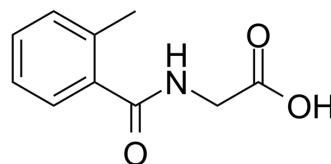
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## 2-(2-Methylbenzamido)acetic acid

|                           |   |       |          |
|---------------------------|---|-------|----------|
| <b>Cat. No.:</b>          | HY-W015060                                      |       |          |
| <b>CAS No.:</b>           | 42013-20-7                                      |       |          |
| <b>Molecular Formula:</b> | C <sub>10</sub> H <sub>11</sub> NO <sub>3</sub> |       |          |
| <b>Molecular Weight:</b>  | 193.2   |       |          |
| <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

DMSO : 100 mg/mL (517.60 mM; Need ultrasonic)

| Concentration             | Solvent | Mass      |            |            |
|---------------------------|---------|-----------|------------|------------|
|                           |         | 1 mg      | 5 mg       | 10 mg      |
| Preparing Stock Solutions | 1 mM    | 5.1760 mL | 25.8799 mL | 51.7598 mL |
|                           | 5 mM    | 1.0352 mL | 5.1760 mL  | 10.3520 mL |
|                           | 10 mM   | 0.5176 mL | 2.5880 mL  | 5.1760 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 (12.94 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (12.94 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (12.94 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

2-(2-Methylbenzamido)acetic acid is a metabolite detected in urine.

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

Human Endogenous Metabolite

### REFERENCES

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[1]. Remane D, et al. Validation of a multi-analyte HPLC-DAD method for determination of uric acid, creatinine, homovanillic acid, niacinamide, hippuric acid, indole-3-acetic acid and 2-methylhippuric acid in human urine. J Chromatogr B Analyt Technol Biomed Life Sci. 2015 Aug 15;998-999:40-4.

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

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