



# 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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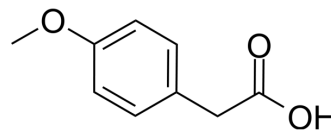
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## 2-(4-Methoxyphenyl)acetic acid

Cat. No.:	HY-W004206		
CAS No.:	104-01-8		
Molecular Formula:	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>		
Molecular Weight:	166.17		
Target:	Endogenous 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 (601.79 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	6.0179 mL	30.0897 mL	60.1793 mL
		5 mM	1.2036 mL	6.0179 mL	12.0359 mL
10 mM		0.6018 mL	3.0090 mL	6.0179 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (15.04 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (15.04 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 1.72 mg/mL (10.35 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

Description	2-(4-Methoxyphenyl)acetic acid is a plasma metabolite, with high sensitivity and specificity value as a biomarker for discriminating between NSCLC and healthy controls.
IC <sub>50</sub> & Target	Human Endogenous Metabolite
In Vitro	2-(4-Methoxyphenyl)acetic acid (4-methoxyphenylacetic acid) is a plasma metabolite, with high sensitivity and specificity values as a biomarker for discriminating between NSCLC and healthy controls. 2-(4-Methoxyphenyl)acetic acid may play a

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protective role to prevent the development of lung cancer<sup>[1]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. Xiang C, et al. Cortisol, cortisone, and 4-methoxyphenylacetic acid as potential plasma biomarkers for early detection of non-small cell lung cancer. Int J Biol Markers. 2018 Aug;33(3):314-320.

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

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