



# 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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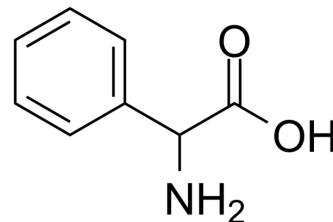
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## 2-Phenylglycine

Cat. No.:	HY-W010248		
CAS No.:	2835-06-5		
Molecular Formula:	C <sub>8</sub> H <sub>9</sub> NO <sub>2</sub>		
Molecular Weight:	151		
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

H<sub>2</sub>O : 3.33 mg/mL (22.05 mM; ultrasonic and adjust pH to 12 with NaOH)  
 DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		6.6225 mL	33.1126 mL	66.2252 mL
	5 mM		1.3245 mL	6.6225 mL	13.2450 mL
	10 mM		0.6623 mL	3.3113 mL	6.6225 mL

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

#### In Vivo

1. Add each solvent one by one: PBS  
 Solubility: 2 mg/mL (13.25 mM); Clear solution; Need ultrasonic and warming and heat to 60°C

### BIOLOGICAL ACTIVITY

#### Description

2-Phenylglycine (DL-α-Phenylglycine) is a metabolite in breast milk during the W2 to W4 lactation period<sup>[1]</sup>.

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

Human Endogenous Metabolite

### REFERENCES

[1]. Alexandre-Gouabau MC, et al. Comprehensive Preterm Breast Milk Metabotype Associated with Optimal Infant Early Growth Pattern. *Nutrients*. 2019 Feb 28;11(3).

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

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