



SZABO SCANDIC

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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

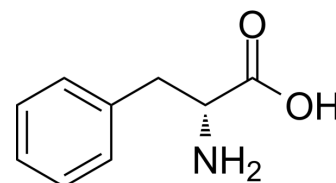
mail@szabo-scandic.com

www.szabo-scandic.com

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

D-Phenylalanine

Cat. No.:	HY-Y0079		
CAS No.:	673-06-3		
Molecular Formula:	C ₉ H ₁₁ NO ₂		
Molecular Weight:	165.19		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

H₂O : 4.17 mg/mL (25.24 mM; Need ultrasonic)
 DMSO : 1 mg/mL (6.05 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.0536 mL	30.2682 mL	60.5364 mL
	5 mM	1.2107 mL	6.0536 mL	12.1073 mL
	10 mM	0.6054 mL	3.0268 mL	6.0536 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 (12.11 mM); Clear solution; Need ultrasonic and warming and heat to 60°C

BIOLOGICAL ACTIVITY

Description

D-Phenylalanine is the synthetic dextro isomer of phenylalanine. D-Phenylalanine inhibits biofilm development of *Pseudoalteromonas* sp. SC2014^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Li E, et al. D-Phenylalanine inhibits biofilm development of a marine microbe, *Pseudoalteromonas* sp. SC2014. *FEMS Microbiol Lett.* 2016 Sep;363(18).

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

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