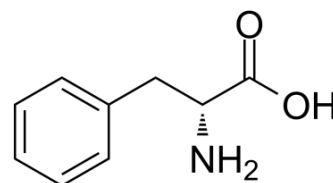


## D-Phenylalanine

<b>Cat. No.:</b>	HY-Y0079		
<b>CAS No.:</b>	673-06-3		
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub>		
<b>Molecular Weight:</b>	165.19		
<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

H<sub>2</sub>O : 4.17 mg/mL (25.24 mM; Need ultrasonic)  
 DMSO : 1 mg/mL (6.05 mM; Need ultrasonic)

Concentration	Solvent	1 mg	5 mg	10 mg
	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.

### BIOLOGICAL ACTIVITY

#### Description

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

### 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).

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

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