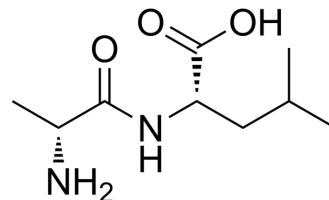


D-Alanyl-L-leucine

Cat. No.:	HY-W212029
CAS No.:	67113-60-4
Molecular Formula:	C ₉ H ₁₈ N ₂ O ₃
Molecular Weight:	202.25
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light Powder -80°C 2 years -20°C 1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (494.44 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.9444 mL	24.7219 mL	49.4438 mL
5 mM	0.9889 mL	4.9444 mL	9.8888 mL
10 mM	0.4944 mL	2.4722 mL	4.9444 mL

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

BIOLOGICAL ACTIVITY

Description

D-Alanyl-L-leucine (D-Ala-Leu) is a dipeptide that acts as a source donor of [L-Leucine](#) (HY-N0486)^[1].

In Vitro

The pip gene coding for the proline iminopeptidase (Pip) of *Xanthomonas campestris* pv. *citri* is cloned in an *Escherichia coli* leuB strain using a selective medium containing the dipeptide D-Alanyl-L-leucine (D-Ala-Leu) as the sole source of l-leucine [1].

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

REFERENCES

[1]. J Alonso, et al. Proline iminopeptidase gene from *Xanthomonas campestris* pv. *Citri*. *Microbiology* (Reading). 1996 Oct;142 (Pt 10):2951-7.

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

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