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Produktinformation



Forschungsprodukte & Biochemikalien



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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

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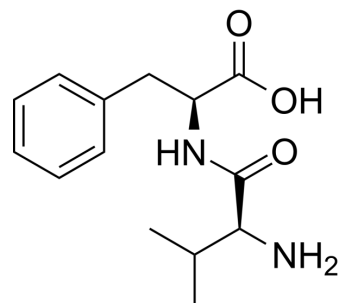
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L-Valyl-L-phenylalanine

Cat. No.:	HY-107378		
CAS No.:	3918-92-1		
Molecular Formula:	C ₁₄ H ₂₀ N ₂ O ₃		
Molecular Weight:	264.32		
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	DMSO : 100 mg/mL (378.33 mM; Need ultrasonic)					
	H ₂ O : 66.67 mg/mL (252.23 mM; ultrasonic and adjust pH to 4 with HCl)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.7833 mL	18.9165 mL	37.8329 mL
		5 mM		0.7567 mL	3.7833 mL	7.5666 mL
		10 mM		0.3783 mL	1.8916 mL	3.7833 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (9.46 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.46 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.46 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	L-Valyl-L-phenylalanine (Valylphenylalanine; H-VAL-PHE-OH) has been reported as biocompatible polymer.
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	The alkyl esters of dipeptides consisting essentially of amino acids with hydrophobic side chains may be used to deplete cytotoxic T-lymphocytes or natural killer cells from organisms, cell populations or tissues ^[1] .

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

REFERENCES

[1]. US5047401 A

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

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