H-Val-Val-OH

Cat. No.: HY-126584

CAS No.: 3918-94-3

Molecular Formula: $C_{10}H_{20}N_2O_3$

Molecular Weight: 216.28

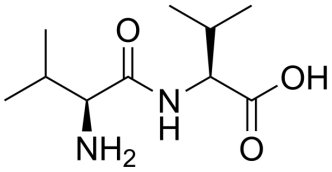
Sequence: Val-Val

Sequence Shortening: VV

Target: Others

Pathway: Others

Storage: 4°C, protect from light
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 9.52 mg/mL (44.02 mM; ultrasonic and adjust pH to 4 with 1M HCl)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	4.6236 mL	23.1182 mL	46.2364 mL
	5 mM	0.9247 mL	4.6236 mL	9.2473 mL
	10 mM	0.4624 mL	2.3118 mL	4.6236 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: ≥ 0.95 mg/mL (4.39 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 0.95 mg/mL (4.39 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 0.95 mg/mL (4.39 mM); Clear solution

BIOLOGICAL ACTIVITY

Description H-VAL-VAL-OH is a dipeptide of the amino acid valine, an essential amino acid[1].

REFERENCES

[1]. Pierfrancesco Bravo, et al. Solution and solid-phase synthesis of trifluoromethyl peptides and mimetics. Journal of Fluorine Chemistry Volume 112, Issue 1, 28

November 2001, Pages 153-162.

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