

Ac-Phe-NH2

Chemical Properties

CAS No.:	7376-90-1
Formula:	C11H14N2O2
Molecular Weight:	206.25
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Ac-Phe-NH2 is a non-competitive inhibitor of polyubiquitin chain elongation at Ki value of 8 ± 1.2 mM.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.848 mL	24.242 mL	48.485 mL
5 mM	0.970 mL	4.848 mL	9.697 mL
10 mM	0.485 mL	2.424 mL	4.848 mL
50 mM	0.097 mL	0.485 mL	0.970 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Loquais Y, Gloaguen E, Alauddin M, Brenner V, Tardivel B, Mons M. On the near UV photophysics of a phenylalanine residue: conformation-dependent $\pi\pi^*$ state deactivation revealed by laser spectroscopy of isolated neutral dipeptides. *Phys Chem Chem Phys*. 2014 Oct 28;16(40):22192-200. doi: 10.1039/c4cp03401e. Epub 2014 Sep 12. PubMed PMID: 25213197.
- Meredith D, Temple CS, Guha N, Sword CJ, Boyd CA, Collier ID, Morgan KM, Bailey PD. Modified amino acids and peptides as substrates for the intestinal peptide transporter PepT1. *Eur J Biochem*. 2000 Jun;267(12):3723-8. PubMed PMID: 10848990.
- DeTar DF. Computation of enzyme-substrate specificity. *Biochemistry*. 1981 Mar 31;20(7):1730-43. PubMed PMID: 7225355.

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