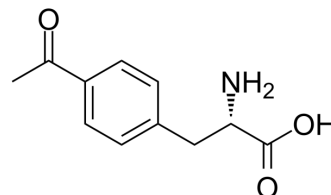


H-Phe(4-Ac)-OH

Cat. No.:	HY-W102456		
CAS No.:	122555-04-8		
Molecular Formula:	C ₁₁ H ₁₃ NO ₃		
Molecular Weight:	207.23		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 5 mg/mL (24.13 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.8256 mL	24.1278 mL	48.2556 mL
5 mM	0.9651 mL	4.8256 mL	9.6511 mL
10 mM	0.4826 mL	2.4128 mL	4.8256 mL

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

BIOLOGICAL ACTIVITY

Description

H-Phe(4-Ac)-OH is a keto-containing amino acid, which can be converted from α-keto acids containing acetyl. H-Phe(4-Ac)-OH can be incorporated at the amber position to afford the mutant Z domain protein^{[1][2][3]}.

REFERENCES

- [1]. Tang H, et al. Recent Technologies for Genetic Code Expansion and their Implications on Synthetic Biology Applications. *J Mol Biol.* 2022 Apr 30;434(8):167382.
- [2]. Volkwein W, et al. A Versatile Toolbox for the Control of Protein Levels Using Nε-Acetyl-L-lysine Dependent Amber Suppression. *ACS Synth Biol.* 2017 Oct 20;6(10):1892-1902.
- [3]. Liu H, Wang L, Brock A, Wong CH, Schultz PG. A method for the generation of glycoprotein mimetics. *J Am Chem Soc.* 2003 Feb 19;125(7):1702-3.

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