
Product Data Sheet

Product Name: H-Phe(4-Ac)-OH

Cat. No.: GC67370

Chemical Properties

Cas. No. 122555-04-8

Formula $C_{11}H_{13}NO_3$

M.Wt 207.23

Solubility H_2O : 5 mg/mL (24.13 mM; ultrasonic and warming and heat to 60°C)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

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]}.

[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 N ϵ -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: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA