

Product Data Sheet

Product Name: H-Phe(3-CN)-OH

Cat. No.: GA11151

Chemical Properties

Cas. No. 57213-48-6

Chemical Name (2S)-2-amino-3-(3-cyanophenyl)propanoic acid

SMILES C1=CC(=CC(=C1)CC(C(=O)O)N)C#N

Formula $C_{10}H_{10}N_2O_2$

M.Wt 190.2

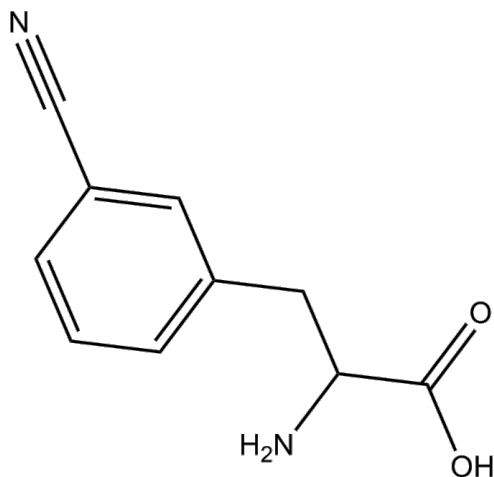
Solubility

Storage Store at RT

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(3-CN)-OH is a novel cyanomethyl-modified phenylalanine derivative. H-Phe(3-CN)-OH serves as an organic synthesis intermediate for the research and synthesis of new bioactive molecules, while providing a foundation for the functionalization study of amino acid derivatives through its unique cyanomethyl structure^[1].

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

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References:

[1] Luckose F, Pandey MC, Radhakrishna K. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-807.

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