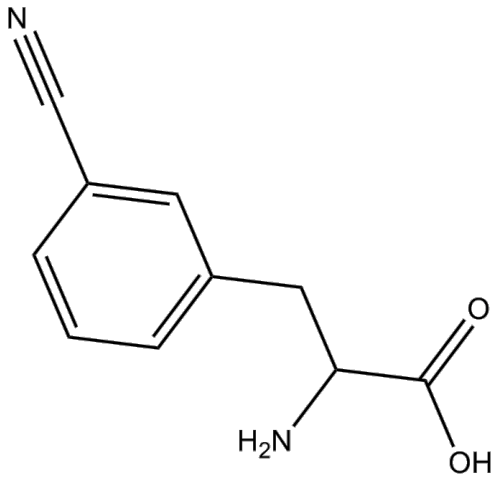
Product Data Sheet

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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.