

Product Data Sheet

Product Name: H-Phe(2-Cl)-OH

Cat. No.: GA10195

Chemical Properties

Cas. No. 103616-89-3

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

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

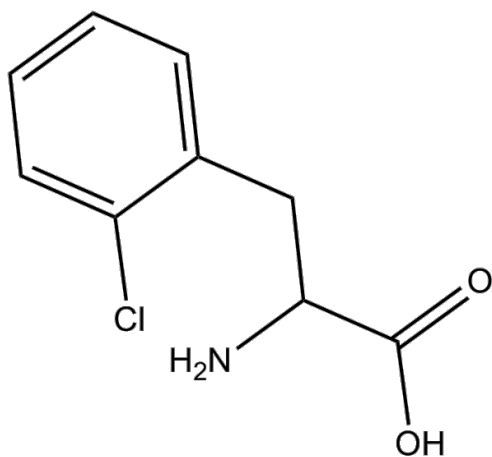
Formula $C_9H_{10}ClNO_2$ M.Wt 199.6

Solubility DMSO : 50 mg/mL (250.46 mM; Need ultrasonic) 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(2-Cl)-OH, a phenylalanine derivative, is an intermediate used in the synthesis of amino acid

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

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derivatives^[1]. H-Phe(2-Cl)-OH can be used as a model compound to study the polarization effect of hydrogen-bond complexes formed by phenol with water and chloride ions^[2].

References:

- [1] Luckose F, Pandey M C, Radhakrishna K. Effects of amino acid derivatives on physical, mental, and physiological activities[J]. Critical reviews in food science and nutrition, 2015, 55(13): 1793-1807.
- [2] Jorgensen W L, Jensen K P, Alexandrova A N. Polarization effects for hydrogen-bonded complexes of substituted phenols with water and chloride ion[J]. Journal of chemical theory and computation, 2007, 3(6): 1987.

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