

## Product Data Sheet

Product Name: H-Tyr(3-I)-OH

Cat. No.: GA10205

### Chemical Properties

Cas. No. 70-78-0

Chemical Name (2S)-2-amino-3-(4-hydroxy-3-iodophenyl)propanoic acid

SMILES C1=CC(=C(C=C1CC(C(=O)[O-])[NH3+])I)O

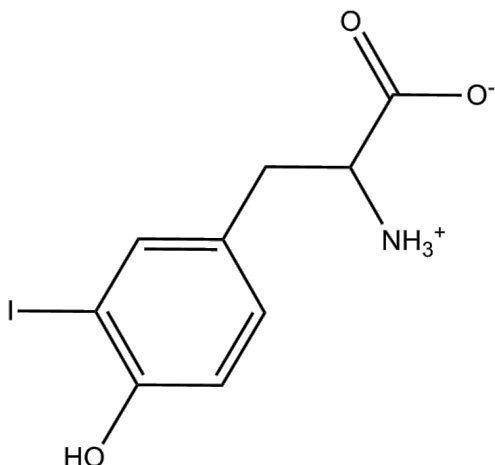
Formula  $C_9H_{10}INO_3$  M.Wt 307.1

Solubility  $H_2O$  : 5 mg/mL (16.28 mM; ultrasonic and warming and heat to 80°C); DMSO : < 1 mg/mL (insoluble or slightly soluble) Storage Store at 2-8°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



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

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### Background

H-Tyr(3-I)-OH is an effective tyrosine hydroxylase inhibitor.

H-Tyr(3-I)-OH (3-iodo-L-tyrosine) is as effective inhibitor of tyrosine hydroxylase. At a concentration of 100µM 3-iodo-L-tyrosine inhibits the enzymatic activity 100% and at a concentration of 10µM it inhibits 60-70%[1].

### References:

[1]. GOLDSTEIN M, et al. INHIBITION OF TYROSINE HYDROXYLASE BY 3-iodo-L-TYROSINE. Life Sci (1962). 1965 Jan;4:261-4.

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