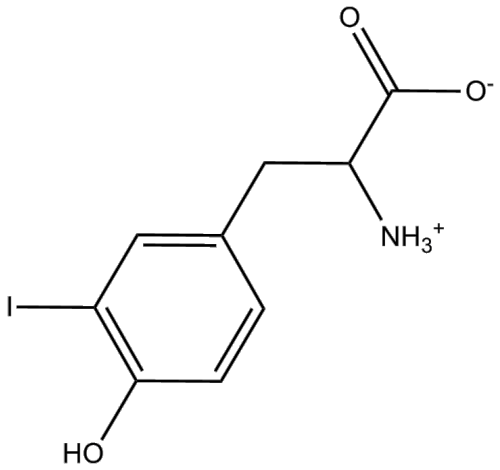
Product Data Sheet

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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