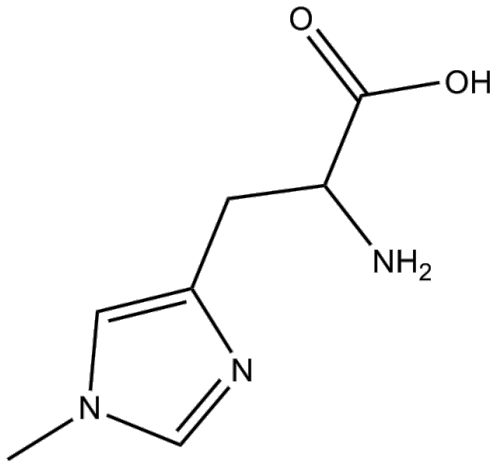
Product Data Sheet

Product Name: H-His(τ-Me)-OH
Cat. No.: GA10174

Chemical Properties

Cas. No.	332-80-9		
Chemical Name	(2S)-2-amino-3-(1-methylimidazol-4-yl)propanoic acid		
SMILES	CN1C=C(N=C1)CC(C(=O)O)N		
Formula	$C_7H_{11}N_3O_2$	M.Wt	169.2
Solubility	H_2O : 125 mg/mL (738.86 mM; Need ultrasonic)	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



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Background

1-Methyl-L-histidine is an objective indicator of meat ingestion and exogenous 3-methylhistidine (3MH) intake.

References:
[1]. Sjölin J, et al. Urinary excretion of 1-methylhistidine: a qualitative indicator of exogenous 3-methylhistidine and intake of meats from various sources. Metabolism. 1987 Dec;36(12):1175-84.

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