

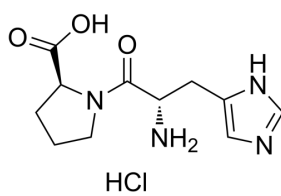
## His-Pro hydrochloride

Cat. No.: HY-111659A  
Batch No.: 263109  
Chemical Name: (S)-1-((S)-2-Amino-3-(1H-imidazol-5-yl)propanoyl)pyrrolidine-2-carboxylic acid hydrochloride

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>11</sub>H<sub>17</sub>ClN<sub>4</sub>O<sub>3</sub>  
Molecular Weight: 288.73  
Storage: Sealed storage, away from moisture and light  
Powder -80°C 2 years  
-20°C 1 years  
\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
LCMS: Consistent with structure  
Purity (LCMS): 99.84%  
Conclusion: The product has been tested and complies with the given specifications.

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

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