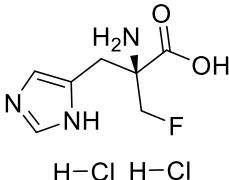


# Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
525854	(S)-alpha-Fluoromethylhistidine HCl	YXM200504

Chemical name	
(S)-2-Amino-2-(fluoromethyl)-3-(1H-imidazol-5-yl)propanoic acid dihydrochloride	
Synonyms	
$\alpha$ -Fluoromethyl-L-histidine dihydrochloride; $\alpha$ -FMH; (S)-alpha-Fluoromethylhistidine 2HCl; (S)-alpha-Fluoromethylhistidine HCl; (S)-alpha-Fluoromethylhistidine dihydrochloride	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 525854 Name: (S)-alpha-Fluoromethylhistidine HCl CAS#: 81839-27-2 (HCl) Lot#: YXM200504 Chemical Formula: C <sub>7</sub> H <sub>12</sub> Cl <sub>2</sub> FN <sub>3</sub> O <sub>2</sub> Molecular Weight: 260.09

Analysis item	Specifications / Results
Appearance	Light grey solid powder: <i>Note: This product is highly hygroscopic, may quickly become sticky solid powder in air, which would not impact the quality.</i>
Structure	<sup>1</sup> H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>99.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

**CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE**