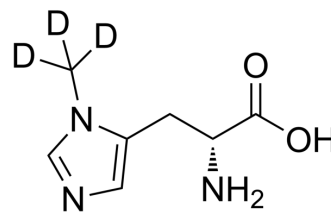


## 3-Methyl-D-histidine-d<sub>3</sub> hydrochloride

Cat. No.:	HY-W017007SB
Molecular Formula:	C <sub>7</sub> H <sub>9</sub> D <sub>3</sub> ClN <sub>3</sub> O <sub>2</sub>
Molecular Weight:	208.66
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



HCl

### BIOLOGICAL ACTIVITY

#### Description

3-Methyl-D-histidine-d<sub>3</sub> hydrochloride is the deuterium labeled 3-Methyl-D-histidine hydrochloride. 3-Methyl-D-histidine hydrochloride can be found in actin and myosin and is a derivative of histidine<sup>[1][2]</sup>.

### REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.
- [2]. White WJ, Lawrie RA. Variations in the levels of 3-methyl-l-histidine of the myosins within the bovine carcass. *Meat Sci.* 1985;15(3):173-81.

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

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