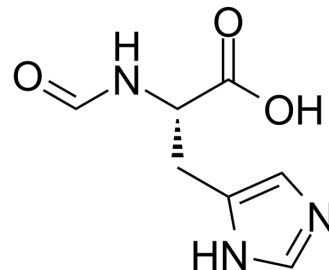


## N-Formyl-L-histidine

Cat. No.:	HY-W142169
CAS No.:	15191-21-6
Molecular Formula:	C <sub>7</sub> H <sub>9</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	183.16
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

N-Formyl-L-histidine shows binding affinity to histidyl-tRNA synthetase with a  $K_i$  value of 4.6  $\mu$ M. N-Formyl-L-histidine shows a competitive inhibition against L-histidine ammonia-lyase, inhibits urocanic acid formation from L-histidine with a  $K_i$  value of 4.26 mM<sup>[1][2]</sup>.

### REFERENCES

- [1]. Lepore GC, et al. Histidyl-tRNA synthetase from Salmonella typhimurium: specificity in the binding of histidine analogues. Eur J Biochem. 1975 Aug 15;56(2):369-74.
- [2]. Shibatani T, et al. Crystalline L-histidine ammonia-lyase of Achromobacter liquidum. Crystallization and enzymic properties. Eur J Biochem. 1975 Jun 16;55(1):263-9.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA