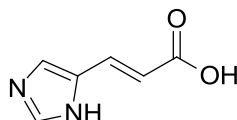


Urocanic acid

Code No.: **BIA-U1734**

Pack sizes: **5 mg, 25 mg**



Synonyms : Imidazole-4-acrylic acid; 4-Imidazolylacrylic acid; 5-Imidazoleacrylic acid; NSC 66357; Urocaninic acid

Specifications

CAS #	: 104-98-3
Molecular Formula	: C₆H₆N₂O₂
Molecular Weight	: 138.1
Source	: Synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Urocanic acid is a cinnamic acid-like compound formed by the decarboxylation of histidine by the enzyme, histidase. Urocanic acid is produced by a number of *Bacillus*, *Streptomyces* and other bacteria, but is also broadly found in microbial fermentations. Urocanic acid has weak activity in a diverse range of bioassays and is a useful standard for analytical and bioassay dereplication of crude microbial extracts.

References

1. Urocanic acid production by sporogenous bacteria. II. Culture conditions and mechanisms of urocanic acid accumulation. Imanaka, H., *Agri. Biol. Chem.* 1962, 26, 49.
2. Algicidal metabolites produced by *Bacillus* sp. strain B1 against *Phaeocystis globosa*. Zhao L. et al., *J. Indust. Microbiol Biotechnol.* 2014, 41, 593.