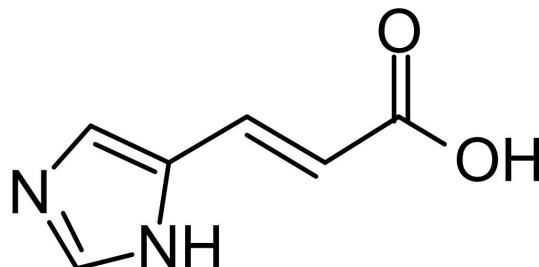


## Urocanic acid

Code No.: BIA-U1734

Pack sizes.: 5mg, 25mg



### Synonyms:

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

## Specifications

CAS #	: <b>104-98-3</b>
Molecular Formula	: <b>C6H6N2O2</b>
Molecular Weight	: <b>138.12</b>
Source	: -
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO.</b>

## 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 globose. Zhao L. et al., J. Indust. Microbiol Biotechnol. 2014, 41, 593.