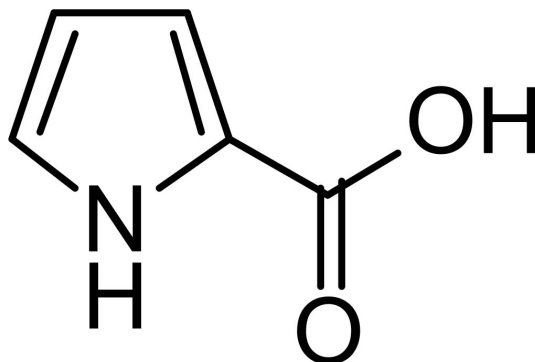


## Pyrrole-2-carboxylic acid

Code No.: BIA-P1572

Pack sizes.: 5mg, 25mg



### Synonyms:

Mialine, Minaline, NCS 48130

## Specifications

CAS #	: <b>634-97-9</b>
Molecular Formula	: <b>C5H5NO2</b>
Molecular Weight	: <b>111</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

Pyrrole-2-carboxylic acid is a small amphoteric polar metabolite produced by many *Streptomyces* species, often co-produced with its dimer, pyrocoll. Pyrrole-2-carboxylic acid is an important dereplication standard in discovery, displaying a distinctive UV spectrum and a broad range of biological activities, albeit weak. More recently, pyrrole-2-carboxylic acid has demonstrated antiparasitic activity against *Trypanosomes* by selective proline racemase inhibition and has potent antifungal activity against *Phytophthora*.

## References

1. Pyrocoll, an antibiotic, antiparasitic and antitumor compound produced by a novel alkaliphilic *Streptomyces* strain. Dietera A. et al., *J Antibiot.* 2003, 56, 639.