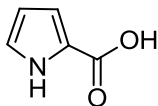


Pyrrole-2-carboxylic acid

Code No.: **BIA-P1572**

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



Synonyms : Mialine, Minaline, NCS 48130

Specifications

CAS #	: 634-97-9
Molecular Formula	: C₅H₅NO₂
Molecular Weight	: 111.0
Source	: <i>Streptomyces</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Pyrrole-2-carboxylic acid is 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 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. Dieter A. et al., J Antibiot. 2003, 56, 639.