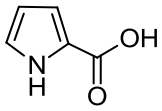
bioaustralis
fine chemicals

PRODUCT DATA SHEET

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	:	**$C_5H_5NO_2$**
Molecular Weight	:	**110.1**
Source	:	***Streptomyces* 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. Dietera A. et al. J Antibiot. 2003, 56, 639.

Updated: 2 December 2014

Building C, 28-54 Percival Road, Smithfield, NSW 2164, AUSTRALIA

Tel: 61 2 9757 4515 Fax: 61 2 9757 2586 Web: www.bioaustralis.com Email: info@bioaustralis.com