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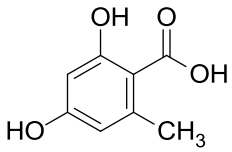
PRODUCT DATA SHEET

Orsellinic acid

Code No.: **BIA-O1657**

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



Synonyms : 2,4-dihydrox-6-methylbenzoic acid; 6-methyl-beta-Resorcylic acid; Orcinolcarboxylic acid; Orsellic acid+O47

Specifications

CAS #	:	**480-64-8**
Molecular Formula	:	**$C_8H_8O_4$**
Molecular Weight	:	**168.2**
Source	:	***Streptomyces* sp.**
Appearance	:	**White to off white solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in ethanol, methanol, DMF or DMSO.**

Application Notes

Orsellinic acid is a common salicylic acid unit in the biosynthesis of secondary metabolites in actinomycetes, fungi and lichens, formally isolated from Chaetomium cochliodes in 1959. Orsellinic acid is a key biosynthetic intermediate of many depside metabolites in lichen and fungi with over 100 citations in Scifinder up to 2016. Orsellinic acid is also an important polar co-metabolite present in many fungi, notably Trichomonacea, however its contribution to overall bioactivity is not well understood. Orsellinic acid is a useful standard for bioassay and analytical techniques for dereplication of common co-metabolites.

References

1. Das vorkommen von orsellinsaure in Chaetomium cochliodes. Mosback K., Z. Naturforsch. 1959, 14B, 69.
2. Production and biosynthesis of orsellinic acid by Penicillium madriti G. Smith. Birkinshaw J.H. and Gowland A., Biochem. J. 1964, 84, 342.
3. Isolation and identification of orsellinic acid and penicillic acid produced by Penicillium fennelliae Stolk. Van Eijk G.W., Anton. van Leeuwenhoek 1969, 35, 497.

Updated: 24 May 2019

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