Orsellinic acid

![Structure of Orsellinic acid]

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

**Specifications**

- **CAS #**: 480-64-8
- **Molecular Formula**: C₈H₈O₄
- **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**