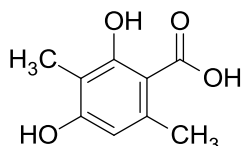


## 3-Methylorsellinic acid

Code No.: **BIA-M1661**

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



Synonyms : 2,4-dihydroxy-3,6-dimethylbenzoic acid; 3,6-dimethyl-beta-Resorcylic acid; beta-orcinolcarboxylic acid

### Specifications

CAS #	: <b>4707-46-4</b>
Molecular Formula	: <b>C<sub>9</sub>H<sub>10</sub>O<sub>4</sub></b>
Molecular Weight	: <b>182.2</b>
Source	: <b><i>Aspergillus</i> sp.</b>
Appearance	: <b>White to off 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

3-Methylorsellinic acid ( $\beta$ -orcinolcarboxylic acid) was originally identified as a degradation product of barbatinic acid in 1928. In 1976, 3-methylorsellinic acid was isolated as a co-metabolite of its dimer, 4-O-demethylbarbatic acid, and asterriquinone from *Aspergillus terreus* by researchers at Kanazawa University, Japan. 3-Methylorsellinic acid is an important sub-unit of diverse depsides found in lichens. 3-Methylorsellinic acid is a useful standard for dereplication of fungal secondary metabolites.

### References

1. Zur kenntnis der flechtenbestandteile II. Die konstitution der barbatinsäure. (Constituents of lichens. II. Constitution of barbatinic acid). St. Pfau A., Helv. Chim. Acta 1928, 11,864.
2. Studies on the metabolic products of *Aspergillus terreus*. I. Metabolites of the strain IFO 6123. Yamamoto Y. et al., Chem. Pharm. Bull. 1976, 24, 1853.
3. Ultraviolet and infrared spectra of some lichen depsides and depsidones. Rao P.S. et al., Ind. Acad. Sci., Section A 1967, 66, 1.
4. Dereplication of microbial natural products by LC-DAD-TOFMS. Nielsen K.F. et al., J. Nat. Prod. 2011, 74, 2338.