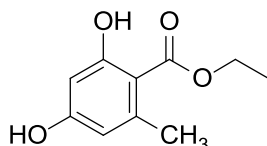


Ethyl orsellinate

Code No.: **BIA-E1660**

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



Synonyms : 2,4-dihydrox-6-methylbenzoic acid ethyl ester; 6-methyl- beta-Resorcylic acid ethyl ester

Specifications

CAS #	: 2524-37-0
Molecular Formula	: C₁₀H₁₂O₄
Molecular Weight	: 196.2
Source	: Synthetic
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

Ethyl orsellinate, the ethyl ester of orsellinic acid, is a common lichen metabolite found in several lichen species, notably the commercial product, oakmoss, used in the perfume industry. Ethyl orsellinate has a broad range of activities, including antibacterial, radical scavenger, in vitro antitumor and glycation inhibition. Ethyl orsellinate is a useful standard for bioassay and analytical techniques for dereplication of common co-metabolites.

References

1. Radical-scavenging activity of orsellinates. Lopes T.I.B. et al., Chem. Pharm. Bull. 2008, 56, 1551.
2. In vitro antitumour activity of orsellinates. Bogó D. et al., Zeit. Naturforschung, C: J. Biosci. 2010, 65, 43.
3. Isolation, characterization and antifungal activity of major constituents of the Himalayan lichen *Parmelia reticulata* Tayl. Goel M. et al., J. Agri. Food Chem. 2011, 59, 2299.
4. New antiglycation and enzyme inhibitors from *Parmotrema cooperi*. Choudhary M. et al., Chemistry 2011, 54, 1926.
5. The antibacterial activity of compounds isolated from oakmoss against *Legionella pneumophila* and other *Legionella* spp. Nomura H. et al., Biol. Pharm. Bull. 2012, 35, 1560.