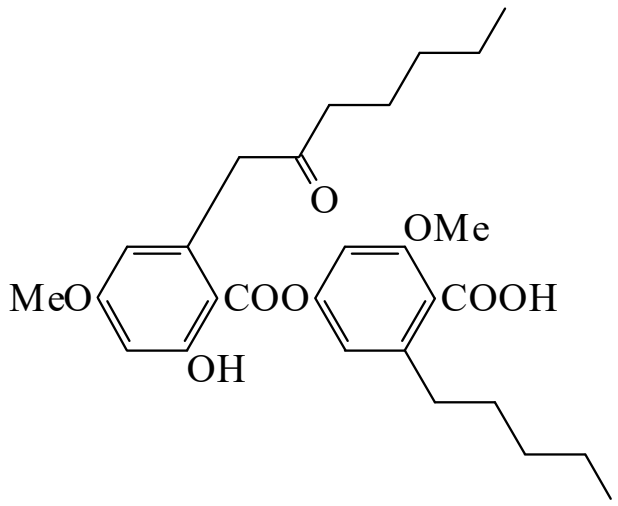
>>**Entry Name: Confluentic acid**
Synonym(s): 2-Hydroxy-4-methoxy-6-(2-oxoheptyl)benzoic acid 4-carboxy-3-methoxy-5-pentylphenyl ester, 9CI. Confluentin



CAS Registry Number: 6009-12-7

Molecular Formula: $C_{28}H_{36}O_8$
Molecular Weight: 500.588
Accurate Mass: 500.24102
Percentage Composition: C 67.18%; H 7.25%; O 25.57%
Biological Source: Constit. of the lichens *Lecidea confluens, Pertusaria tuberculifera* and *Pertusaria globularis*. Also from *Lecidea tumida, Lecidea macrocarpa* and *Herpothallon sanguineum*
Physical Description: Needles (MeOH)
Melting Point: Mp 157°

>>**Derivative:** Me ester

Melting Point: Mp 123°

>>**Derivative:** Me ether
Synonym(s): 2-*O*-Methylconfluentic acid

CAS Registry Number: 52213-25-9

Molecular Formula: $C_{29}H_{38}O_8$
Molecular Weight: 514.614
Accurate Mass: 514.25667
Percentage Composition: C 67.69%; H 7.44%; O 24.87%
Biological Source: Constit. of *Lecidea fuscoatra*
Physical Description: Needles
Melting Point: Mp 135-136°

>>**Derivative:** 2-Me ether, Me ester

Melting Point: Mp 81-82°

References:
Huneck, S.*, Chem. Ber.*, 1962, **95**, 328, *(isol)*
Huneck, S. *et al.*, *Tetrahedron*, 1968, **24**, 2707, *(ms)*
Huneck, S. *et al.*, *Z. Naturforsch., B*, 1968, **23**, 717, *(pmr)*
Huneck, S.*, Phytochemistry*, 1974, **13**, 221, *(2-O-Methylconfluentic acid)*
Elix, J.A.*, Aust. J. Chem.*, 1977, **30**, 373, *(2-O-Methylconfluentic acid)*
Endo, Y. *et al.*, *Chem. Pharm. Bull.*, 1994, **42**, 1198, *(isol, pmr, cmr)*