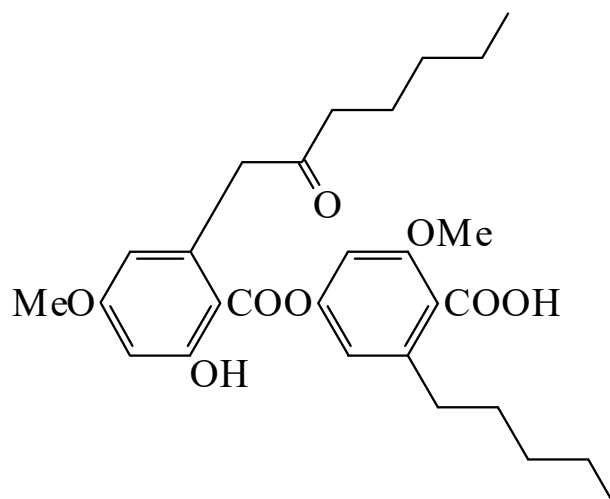




>>Entry Name: Confluentic acid

Synonym(s): 2-Hydroxy-4-methoxy-6-(2-oxoheptyl)benzoic acid 4-carboxy-3-methoxy-5-pentylphenyl ester, 9Cl. 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*)