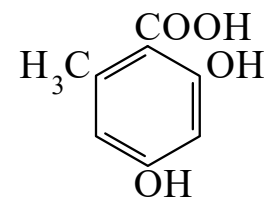




>>Entry Name: 2,4-Dihydroxy-6-methylbenzoic acid, 9Cl

Synonym(s): 6-Methyl- β -resorcylic acid, 8Cl. 4,6-Dihydroxy-*o*-toluic acid. **Orsellinic acid**. Orsellic acid. Orcinol-2-carboxylic acid



CAS Registry Number: 480-64-8

Molecular Formula: C₈H₈O₄

Molecular Weight: 168.149

Accurate Mass: 168.04226

Percentage Composition: C 57.14%; H 4.80%; O 38.06%

Biological Source: Residue present in lichen acids. Isol. from cultures of *Penicillium* spp. and other microorganisms

Physical Description: Needles + 1H₂O (AcOH aq.)

Melting Point: Mp 176 dec.°

pKa Value: pK_a 2.1 (25°)

>>Derivative: 2-*O*- β -D-Glucopyranoside

Molecular Formula: C₁₄H₁₈O₉

Molecular Weight: 330.291

Accurate Mass: 330.095085

Percentage Composition: C 50.91%; H 5.49%; O 43.60%

Biological Source: Constit. of the buds of *Syzygium aromaticum*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 190-191°

UV: [neutral] $\lambda_{\max}$ 255 (); 295 () (MeOH)

>>Derivative: Me ester

CAS Registry Number: 3187-58-4

Molecular Formula: C₉H₁₀O₄

Molecular Weight: 182.176

Accurate Mass: 182.05791

Percentage Composition: C 59.34%; H 5.53%; O 35.13%

Melting Point: Mp 142°

Rare Chemicals Library: S28576-5

>>Derivative: Et ester

CAS Registry Number: 2524-37-0

Molecular Formula: C₁₀H₁₂O₄

Molecular Weight: 196.202

Accurate Mass: 196.07356

Percentage Composition: C 61.22%; H 6.16%; O 32.62%

Biological Source: Isol. from the lichen *Umbilicaria papulosa*

Melting Point: Mp 132°

Aldrich: 29873-5

Rare Chemicals Library: S9661-0

>>Derivative: Di-Ac

Molecular Formula: C₁₂H₁₂O₆

Molecular Weight: 252.223

Accurate Mass: 252.06339

Percentage Composition: C 57.14%; H 4.80%; O 38.06%

Melting Point: Mp 142°