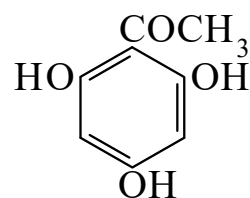




>>Entry Name: 2',4',6'-Trihydroxyacetophenone, 8CI

Synonym(s): 1-(2,4,6-Trihydroxyphenyl)ethanone, 9CI. 2-Acetyl-1,3,5-benzenetriol. Phloracetophenone. Acetophloroglucinol. Acetylphloroglucinol. Phloroacetophenone



CAS Registry Number: 480-66-0

Related CAS Registry Numbers(s): 4547-84-6

Molecular Formula: C₈H₈O₄

Molecular Weight: 168.149

Accurate Mass: 168.04226

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

Biological Source: Isol. from bark of *Prunus domestica*. Also prod. by *Pseudomonas fluorescens*

Biological Use/Importance: Choleric agent

Physical Description: Needles (H₂O)

Melting Point: Mp 219° (anhyd.)

UV: [neutral] λ_{max} 228 (ε 14500); 288 (ε 16200) (EtOH) (Berdy)

Aldrich: T6460-2

Fluka: 91930

Rare Chemicals Library: S3916-1

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

Synonym(s): Myrciaphenone A

CAS Registry Number: 26089-54-3

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 *Artemisia stolonifera*, *Curcuma comosa* and *Myrcia multiflora*

Physical Description: Powder

Melting Point: Mp 222-224°

Optical Rotation: [α]_D²⁰ -84.5 (c, 0.2 in MeOH). [α]_D²⁷ -46.9 (c, 0.2 in MeOH)

UV: [neutral] λ_{max} 220 (log ε 4.31); 285 (log ε 4.33) (MeOH) [neutral] λ_{max} 203 (log ε 4.5); 284 (log ε 4) (MeOH)

>>Derivative: 2'-O-[3,4,5-Trihydroxybenzoyl-(→6)-β-D-glucopyranoside]

Synonym(s): Myrciaphenone B

CAS Registry Number: 203734-36-5

Molecular Formula: C₂₁H₂₂O₁₃

Molecular Weight: 482.397

Accurate Mass: 482.106045

Percentage Composition: C 52.29%; H 4.60%; O 43.12%

Biological Source: Constit. of *Myrcia multiflora*

Biological Use/Importance: Inhibitor of aldose reductase and α-glucosidase

Physical Description: Powder

Optical Rotation: [α]_D²⁴ -64.6 (c, 0.1 in MeOH)

UV: [neutral] λ_{max} 219 (log ε 4.4); 283 (log ε 4.2) (MeOH)

>>Derivative: 4'-O-β-D-Glucopyranoside

CAS Registry Number: 5027-30-5

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 *Rhododendron ferrugineum* and *Muehlenbeckia volcanica*

Physical Description: Amorph. powder