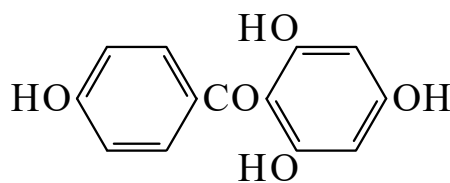




>>Entry Name: 2,4,4',6-Tetrahydroxybenzophenone

ENTRY UNDER REVIEW

Synonym(s): (4-Hydroxyphenyl)(2,4,6-trihydroxyphenyl)methanone, 9Cl. **Iriflophenone**



CAS Registry Number: 52591-10-3

Molecular Formula: C₁₃H₁₀O₅

Molecular Weight: 246.219

Accurate Mass: 246.052825

Percentage Composition: C 63.42%; H 4.09%; O 32.49%

Biological Source: Isol. from the rhizome of *Iris florentina*

Physical Description: Light brown cryst. (Et₂O or MeOH aq.)

Melting Point: Mp 208-210°

>>Derivative: 2-O-β-D-Glucopyranoside

Synonym(s): Iriflophenone 2-glucoside

Molecular Formula: C₁₉H₂₀O₁₀

Molecular Weight: 408.361

Accurate Mass: 408.10565

Percentage Composition: C 55.88%; H 4.94%; O 39.18%

Biological Source: Constit. of *Coleogyne ramosissima*

Physical Description: Pale yellow powder

Optical Rotation: [α]_D -24 (c, 1 in MeOH)

UV: [neutral] λ_{max} 233 (sh) (log ε 4.08); 289 (log ε 4.12) (MeOH)

>>Derivative: 4-O-β-D-Glucopyranoside

Molecular Formula: C₁₉H₂₀O₁₀

Molecular Weight: 408.361

Accurate Mass: 408.10565

Percentage Composition: C 55.88%; H 4.94%; O 39.18%

Biological Source: Constit. of the dried rhizomes of *Davallia solida*

UV: [neutral] λ_{max} 221 (); 288 () (MeOH)

>>Derivative: 4-Me ether

Synonym(s): 2,4',6-Trihydroxy-4-methoxybenzophenone

CAS Registry Number: 55051-85-9

Molecular Formula: C₁₄H₁₂O₅

Molecular Weight: 260.246

Accurate Mass: 260.068475

Percentage Composition: C 64.61%; H 4.65%; O 30.74%

Biological Source: Isol. from trunkwood of *Aniba duckei*

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 179-181°

>>Derivative: 4-Me ether, 2-O-β-D-glucopyranoside

Molecular Formula: C₂₀H₂₂O₁₀

Molecular Weight: 422.388

Accurate Mass: 422.1213

Percentage Composition: C 56.87%; H 5.25%; O 37.88%

Biological Source: Constit. of *Gnidia involucrata*

Physical Description: Light yellow powder

Melting Point: Mp 133-135°

Optical Rotation: [α]_D²¹ -23 (c, 0.1 in MeOH)

UV: [neutral] λ_{max} 208 (log ε 2.51); 223 (sh) (log ε 2.21); 296 (sh) (log ε 2.02); 312 (log ε 2.06) (MeOH)