>>**Entry Name: 2',3',4'-Trihydroxyacetophenone,** 8CI
Synonym(s): 1-(2,3,4-Trihydroxyphenyl)ethanone, 9CI. Gallacetophenone. 4-Acetylpyrogallol. Alizarine yellow C

CAS Registry Number: 528-21-2

Molecular Formula: $C_8H_8O_4$
Molecular Weight: 168.149
Accurate Mass: 168.04226
Percentage Composition: C 57.14%; H 4.80%; O 38.06%
Use/Importance: Used as 0.2% EtOH soln. for photometric detn. of U
Biological Use/Importance: Antiseptic
Physical Description: Needles or leaflets (H_2O)
Melting Point: Mp 173°
Hazard & Toxicity: LD_{50} (mus, ipr) 650 mg/kg

Aldrich: T6440-8
Sigma: G1536

>>**Derivative:** Oxime
CAS Registry Number: 5349-83-7
Molecular Formula: $C_8H_9NO_4$
Molecular Weight: 183.163
Accurate Mass: 183.053159
Percentage Composition: C 52.46%; H 4.95%; N 7.65%; O 34.94%
Melting Point: Mp 162-163°

>>**Derivative:** Semicarbazone

CAS Registry Number: 22107-33-1
Melting Point: Mp 225° (rapid heat)

>>**Derivative:** Tri-Ac

CAS Registry Number: 72712-20-0
Molecular Formula: $C_{14}H_{14}O_7$
Molecular Weight: 294.26
Accurate Mass: 294.073955
Percentage Composition: C 57.14%; H 4.80%; O 38.06%
Melting Point: Mp 85°

>>**Derivative:** 4'-Me ether
Synonym(s): 2',3'-Dihydroxy-4'-methoxyacetophenone. 3'-Hydroxypaeonol

CAS Registry Number: 708-53-2

Molecular Formula: $C_9H_{10}O_4$
Molecular Weight: 182.176
Accurate Mass: 182.05791
Percentage Composition: C 59.34%; H 5.53%; O 35.13%
Biological Source: Constit. of the roots of *Paeonia broteroi* and *Paeonia suffruticosa*
Physical Description: Pale yellow prisms (EtOH)
Melting Point: Mp 134°

>>**Derivative:** Tri-Me ether
Synonym(s): 2',3',4'-Trimethoxyacetophenone

CAS Registry Number: 13909-73-4
Molecular Formula: $C_{11}H_{14}O_4$
Molecular Weight: 210.229
Accurate Mass: 210.08921
Percentage Composition: C 62.85%; H 6.71%; O 30.44%
Melting Point: Mp 15-17°
Boiling Point: Bp 295-297°. Bp_{12} 165°
Aldrich: 18981-2