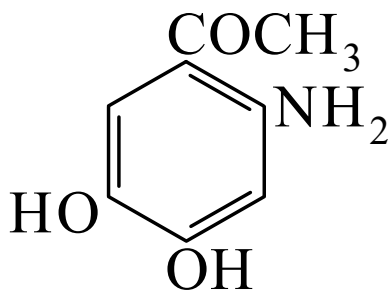




>>Entry Name: 2'-Amino-4',5'-dihydroxyacetophenone

Synonym(s): 4-Acetyl-5-amino-1,2-benzenediol



Molecular Formula: C₈H₉NO₃

Molecular Weight: 167.164

Accurate Mass: 167.058244

Percentage Composition: C 57.48%; H 5.43%; N 8.38%; O 28.71%

>>Derivative: Di-Me ether

Synonym(s): 2'-Amino-4',5'-dimethoxyacetophenone. 6-Aminoacetoveratrone

CAS Registry Number: 4101-30-8

Molecular Formula: C₁₀H₁₃NO₃

Molecular Weight: 195.218

Accurate Mass: 195.089544

Percentage Composition: C 61.53%; H 6.71%; N 7.17%; O 24.59%

Physical Description: Golden needles (Et₂O)

Melting Point: Mp 106-108°

Aldrich: 32922-3

>>Derivative: Methylene ether

Synonym(s): 2'-Amino-4',5'-(methylenedioxy)acetophenone

CAS Registry Number: 28657-75-2

Molecular Formula: C₉H₉NO₃

Molecular Weight: 179.175

Accurate Mass: 179.058244

Percentage Composition: C 60.33%; H 5.06%; N 7.82%; O 26.79%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 171° (158-161°)

>>Derivative: Methylene ether, phenylhydrazone

CAS Registry Number: 69814-08-0

Physical Description: Cryst. (MeOH)

Melting Point: Mp 180°

>>Derivative: Methylene ether, *N*-Ac

Molecular Formula: C₁₁H₁₁NO₄

Molecular Weight: 221.212

Accurate Mass: 221.068809

Percentage Composition: C 59.73%; H 5.01%; N 6.33%; O 28.93%

Physical Description: Cryst. (MeOH) (as phenylhydrazone)

Melting Point: Mp 224-226° (phenylhydrazone)

References:

Simpson, J.C.E., *J.C.S.*, 1946, 95

Fetter, J. *et al.*, *Tetrahedron*, 1978, **34**, 2557, (*methylene ether derivs*)

Bertha, F. *et al.*, *J. Chem. Res., Miniprint*, 1980, 4737, (*methylene ether*)