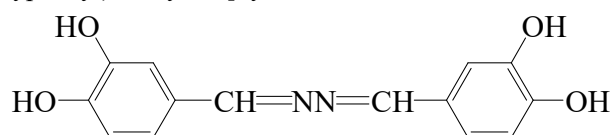




>>Entry Name: 3,4-Dihydroxybenzaldehyde azine, 8Cl

Synonym(s): 3,4-Dihydroxybenzaldehyde [(3,4-dihydroxyphenyl)methylene]hydrazone, 9Cl



CAS Registry Number: 14414-34-7

Molecular Formula: C₁₄H₁₂N₂O₄

Molecular Weight: 272.26

Accurate Mass: 272.079708

Percentage Composition: C 61.76%; H 4.44%; N 10.29%; O 23.51%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp *ca.* 245° (dec.)

>>Derivative: 3,3'-Di-Me ether

Synonym(s): 4-Hydroxy-3-methoxybenzaldehyde [(4-hydroxy-3-methoxyphenyl)methylene]hydrazone, 9Cl. Vanillin azine, 8Cl

CAS Registry Number: 1696-60-2

Molecular Formula: C₁₆H₁₆N₂O₄

Molecular Weight: 300.313

Accurate Mass: 300.111008

Percentage Composition: C 63.99%; H 5.37%; N 9.33%; O 21.31%

Physical Description: Orange yellow plates (EtOH)

Melting Point: Mp 177-178°

Aldrich: 23562-8

Sigma: V3379

>>Derivative: 3,3'-Di-Me ether; hydrochloride

Melting Point: Mp 229°

>>Derivative: 4,4'-Di-Me ether

Synonym(s): 3-Hydroxy-4-methoxybenzaldehyde [(3-hydroxy-4-methoxyphenyl)methylene]hydrazone. 3-Hydroxy-4-methoxybenzaldehyde azine

CAS Registry Number: 15332-12-4

Molecular Formula: C₁₆H₁₆N₂O₄

Molecular Weight: 300.313

Accurate Mass: 300.111008

Percentage Composition: C 63.99%; H 5.37%; N 9.33%; O 21.31%

Melting Point: Mp 230°

>>Derivative: 3,3',4,4'-Tetra-Me ether

Synonym(s): 3,4-Dimethoxybenzaldehyde [(3,4-dimethoxyphenyl)methylene]hydrazone. Veratraldehyde azine

CAS Registry Number: 17745-86-7

Molecular Formula: C₁₈H₂₀N₂O₄

Molecular Weight: 328.367

Accurate Mass: 328.142308

Percentage Composition: C 65.84%; H 6.14%; N 8.53%; O 19.49%

Physical Description: Yellow plates (EtOH/CHCl₃)

Melting Point: Mp 193-194° (190-191°)

Rare Chemicals Library: S52986-9

>>Derivative: 3,3',4,4'-Tetra-Me ether, picrate

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 186°