



>>Entry Name: 2-Amino-5-nitro-1,4-benzenediol, 9CI

Synonym(s): 2-Amino-5-nitrohydroquinone, 8CI

Molecular Formula: C₆H₆N₂O₄

Molecular Weight: 170.124

Accurate Mass: 170.032758

Percentage Composition: C 42.36%; H 3.55%; N 16.47%; O 37.62%

Physical Description: Red cryst. (C₆H₆)

Melting Point: Mp 154 dec.°

>>Derivative: N-Ac

Molecular Formula: C₈H₈N₂O₅

Molecular Weight: 212.162

Accurate Mass: 212.043323

Percentage Composition: C 45.29%; H 3.80%; N 13.20%; O 37.71%

Physical Description: Red needles (EtOH)

Melting Point: Mp 226 dec.°

>>Derivative: Di-Me ether

Synonym(s): 2,5-Dimethoxy-4-nitrobenzenamine, 9CI. 2,5-Dimethoxy-4-nitroaniline, 8CI

CAS Registry Number: 6313-37-7

Molecular Formula: C₈H₁₀N₂O₄

Molecular Weight: 198.178

Accurate Mass: 198.064058

Percentage Composition: C 48.49%; H 5.09%; N 14.14%; O 32.29%

Physical Description: Yellow prisms (C₆H₆)

Melting Point: Mp 158°

Aldrich: 19718-1

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 772C, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1380B, (ir)

Ger. Pat., 1903, 141 398; *Chem. Zentralbl.*, 1903, **1**, 1163

Ger. Pat., 1903, 141 975; *Chem. Zentralbl.*, 1903, **1**, 1380

Heller, G. *et al.*, *J. Prakt. Chem.*, 1931, **129**, 207, (synth, deriv)