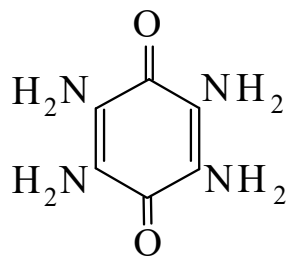




>>Entry Name: Tetraamino-1,4-benzoquinone

Synonym(s): 2,3,5,6-Tetraamino-2,5-cyclohexadiene-1,4-dione, 9CI



CAS Registry Number: 1128-13-8

Molecular Formula: C₆H₈N₄O₂

Molecular Weight: 168.155

Accurate Mass: 168.064726

Percentage Composition: C 42.86%; H 4.80%; N 33.32%; O 19.03%

Physical Description: Violet cryst.

Melting Point: Mp 260 dec.°

>>Derivative: 2,5-Di-*N*-Ac

Molecular Formula: C₁₀H₁₂N₄O₄

Molecular Weight: 252.229

Accurate Mass: 252.085856

Percentage Composition: C 47.62%; H 4.80%; N 22.21%; O 25.37%

Physical Description: Brown-black cryst.

>>Derivative: 2,2,5,5-*N*-Tetra-Me

Molecular Formula: C₁₀H₁₆N₄O₂

Molecular Weight: 224.262

Accurate Mass: 224.127326

Percentage Composition: C 53.56%; H 7.19%; N 24.98%; O 14.27%

Physical Description: Blue-green cryst.

Melting Point: Mp 205°

>>Derivative: 2,2,5,5-*N*-Tetra-Et

Molecular Formula: C₁₄H₂₄N₄O₂

Molecular Weight: 280.369

Accurate Mass: 280.189926

Percentage Composition: C 59.98%; H 8.63%; N 19.98%; O 11.41%

Physical Description: Dark-green cryst.

Melting Point: Mp 232°

>>Derivative: *N*-Octa-Me

Synonym(s): 2,3,5,6-Tetrakis(dimethylamino)-2,5-cyclohexadiene-1,4-dione, 9CI. Tetrakis(dimethylamino)-1,4-benzoquinone

CAS Registry Number: 13044-90-1

Molecular Formula: C₁₄H₂₄N₄O₂

Molecular Weight: 280.369

Accurate Mass: 280.189926

Percentage Composition: C 59.98%; H 8.63%; N 19.98%; O 11.41%

Physical Description: Black cryst. (MeOH aq.)

Melting Point: Mp 95-96 subl.°

>>Derivative: *N*-Octa-Et

Molecular Formula: C₂₂H₄₀N₄O₂

Molecular Weight: 392.584

Accurate Mass: 392.315126

Percentage Composition: C 67.31%; H 10.27%; N 14.27%; O 8.15%

Physical Description: Black cryst. (MeOH aq.)

Melting Point: Mp 62-63 subl.°

References: