



>>Entry Name: **2,5-Diamino-1,4-benzenediol**, 9Cl

Synonym(s): 2,5-Diaminohydroquinone, 8Cl. 2,5-Dihydroxy-*p*-phenylenediamine

CAS Registry Number: 10325-89-0

Related CAS Registry Numbers(s): 17626-02-7

Molecular Formula: C₆H₈N₂O₂

Molecular Weight: 140.141

Accurate Mass: 140.058578

Percentage Composition: C 51.42%; H 5.75%; N 19.99%; O 22.83%

Physical Description: Cryst.

Melting Point: Mp 212.5-214°

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 24171-03-7

Physical Description: Powder

Melting Point: Mp 328° (dec. from 200°)

Fluka: 33040

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

Molecular Formula: C₁₀H₁₂N₂O₄

Molecular Weight: 224.216

Accurate Mass: 224.079708

Percentage Composition: C 53.57%; H 5.39%; N 12.49%; O 28.54%

Physical Description: Cryst. powder

Melting Point: Mp 290-291°

>>Derivative: Tetra-Ac

Molecular Formula: C₁₄H₁₆N₂O₆

Molecular Weight: 308.29

Accurate Mass: 308.100838

Percentage Composition: C 54.54%; H 5.23%; N 9.09%; O 31.14%

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 190°

>>Derivative: Di-Me ether

Synonym(s): 2,5-Dimethoxy-1,4-benzenediamine, 9Cl

CAS Registry Number: 17626-02-7

Extra CAS Registry Numbers(s): 25445-15-2

Molecular Formula: C₈H₁₂N₂O₂

Molecular Weight: 168.195

Accurate Mass: 168.089878

Percentage Composition: C 57.13%; H 7.19%; N 16.66%; O 19.02%

Physical Description: Cryst.

Melting Point: Mp 212.5-214°

>>Derivative: Di-Me ether, *N*-benzoyl

CAS Registry Number: 6268-05-9

Extra CAS Registry Numbers(s): 27766-45-6

Molecular Formula: C₁₅H₁₆N₂O₃

Molecular Weight: 272.303

Accurate Mass: 272.116093

Percentage Composition: C 66.16%; H 5.92%; N 10.29%; O 17.63%

Use/Importance: Dyestuff intermed.

Physical Description: Cryst.

Melting Point: Mp 168°