



>>Entry Name: 1,4-Benzenedithiol, 9CI

Synonym(s): Dithioquinol. Dithiohydroquinone. *p*-Dimercaptobenzene. 1,4-Disulfydrylbenzene

CAS Registry Number: 624-39-5

Related CAS Registry Numbers(s): 35915-14-1 59371-98-1

Molecular Formula: C₆H₆S₂

Molecular Weight: 142.245

Accurate Mass: 141.99109

Percentage Composition: C 50.66%; H 4.25%; S 45.09%

Physical Description: Leaflets (EtOH aq.)

Melting Point: Mp 98°

>>Derivative: Di-Ac

Molecular Formula: C₁₀H₁₀O₂S₂

Molecular Weight: 226.32

Accurate Mass: 226.01222

Percentage Composition: C 53.07%; H 4.45%; O 14.14%; S 28.34%

Physical Description: Plates (petrol)

Melting Point: Mp 126°

>>Derivative: S-Me

Synonym(s): 4-(Methylthio)benzenethiol, 9CI

CAS Registry Number: 1122-97-0

Molecular Formula: C₇H₈S₂

Molecular Weight: 156.272

Accurate Mass: 156.00674

Percentage Composition: C 53.80%; H 5.16%; S 41.04%

Boiling Point: Bp_{1.5} 93-95°

>>Derivative: S,S'-Di-Me

Synonym(s): 1,4-Bis(methylthio)benzene, 9CI

CAS Registry Number: 699-20-7

Molecular Formula: C₈H₁₀S₂

Molecular Weight: 170.299

Accurate Mass: 170.02239

Percentage Composition: C 56.42%; H 5.92%; S 37.66%

Physical Description: Leaflets (MeOH)

Melting Point: Mp 85°

>>Derivative: S,S'-Di-Et

Synonym(s): 1,4-Bis(ethylthio)benzene, 9CI

Molecular Formula: C₁₀H₁₄S₂

Molecular Weight: 198.353

Accurate Mass: 198.05369

Percentage Composition: C 60.55%; H 7.11%; S 32.33%

Melting Point: Mp 46.5°

>>Derivative: S-tert-Butyl

Molecular Formula: C₁₀H₁₄S₂

Molecular Weight: 198.353

Accurate Mass: 198.05369

Percentage Composition: C 60.55%; H 7.11%; S 32.33%

Physical Description: Pale yellow liq.