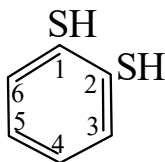




>>Entry Name: 1,2-Benzenedithiol, 9CI

Synonym(s): Dithiocatechol. *o*-Dimercaptobenzene. 1,2-Disulfydrylbenzene



CAS Registry Number: 17534-15-5

Related CAS Registry Numbers(s): 117526-15-5

Molecular Formula: C₆H₆S₂

Molecular Weight: 142.245

Accurate Mass: 141.99109

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

Melting Point: Mp 27-28°

Boiling Point: Bp 238-239°. Bp_{0.1} 60-61°

Aldrich: 27086-5

Fluka: 38494

>>Derivative: Di-Ac

CAS Registry Number: 63928-30-3

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: Needles (C₆H₆)

Melting Point: Mp 89-90°

>>Derivative: Dibenzoyl

Molecular Formula: C₂₀H₁₄O₂S₂

Molecular Weight: 350.461

Accurate Mass: 350.04352

Percentage Composition: C 68.54%; H 4.03%; O 9.13%; S 18.30%

Melting Point: Mp 94-95°

>>Derivative: S-Me

Synonym(s): 2-(Methylthio)benzenethiol, 9CI

CAS Registry Number: 54615-64-4

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_{0.8} 83.5°

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

Synonym(s): 1,2-Bis(methylthio)benzene, 9CI

CAS Registry Number: 2388-68-3

Molecular Formula: C₈H₁₀S₂

Molecular Weight: 170.299

Accurate Mass: 170.02239

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

Boiling Point: Bp_{0.2} 93-94°

Aldrich: 30673-8

References: