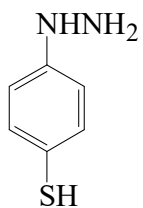




>>Entry Name: 4-Mercaptophenylhydrazine



Molecular Formula: C₆H₈N₂S

Molecular Weight: 140.209

Accurate Mass: 140.040818

Percentage Composition: C 51.40%; H 5.75%; N 19.98%; S 22.87%

>>Derivative: S-Me

Synonym(s): 4-(Thiomethyl)phenylhydrazine. 4-Hydrazinothioanisole

Molecular Formula: C₇H₁₀N₂S

Molecular Weight: 154.235

Accurate Mass: 154.056468

Percentage Composition: C 54.51%; H 6.53%; N 18.16%; S 20.79%

Physical Description: Plates (H₂O)

Melting Point: Mp 60°

>>Derivative: S-Me, S,S-Dioxide

Synonym(s): 4-(Methylsulfonyl)phenylhydrazine

CAS Registry Number: 877-66-7

Molecular Formula: C₇H₁₀N₂O₂S

Molecular Weight: 186.234

Accurate Mass: 186.046298

Percentage Composition: C 45.15%; H 5.41%; N 15.04%; O 17.18%; S 17.22%

Physical Description: Needles (CHCl₃/petrol)

Melting Point: Mp 133-135°

References:

Hodgson, H.H. *et al.*, *J.C.S.*, 1928, 1882, (*S-Me*)

Koenigs, E. *et al.*, *J. Prakt. Chem.*, 1932, **132**, 24-38, (*S-Me*, *S,S-dioxide*)