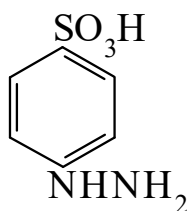




>>Entry Name: 4-Hydrazinobenzenesulfonic acid, 9CI

Synonym(s): Phenylhydrazine-*p*-sulfonic acid



CAS Registry Number: 98-71-5

Molecular Formula: C₆H₈N₂O₃S

Molecular Weight: 188.207

Accurate Mass: 188.025563

Percentage Composition: C 38.29%; H 4.28%; N 14.88%; O 25.50%; S 17.04%

Use/Importance: Bifunctional reagent used for carbonyl compd. resoln. and various anal. determinations. Forms easily separable derivs. with ketones. Used as 0.5% soln. in 0.1M HCl for photometric detn. of Se ($\lambda_{\max}$ 520 nm)

Physical Description: Needles or leaflets (H₂O)

Melting Point: Mp 286°

Solubility: Spar. sol. H₂O, EtOH

Rare Chemicals Library: S26441-5

References:

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Kirkbright, G.F. *et al.*, *Anal. Chem.*, 1963, **35**, 808, (*detn, Se*)

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Rigin, V.I. *et al.*, *Zavod. Lab.*, 1967, **33**, 1370, (*detn, Se*)

Kaehler, H. *et al.*, *Annalen*, 1972, **757**, 15, (*use*)

Sanghvi, A. *et al.*, *Anal. Chem.*, 1973, **45**, 207, (*use*)

Kawashima, T. *et al.*, *Anal. Chim. Acta*, 1977, **89**, 65, (*detn, Se*)

Osuji, G.O. *et al.*, *FEBS Lett.*, 1977, **83**, 85, (*use*)

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