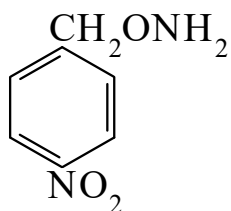




>>Entry Name: *O*-(*p*-Nitrobenzyl)hydroxylamine, 8Cl

Synonym(s): *O*-[(4-Nitrophenyl)methyl]hydroxylamine, 9Cl. *p*-Nitrobenzyloxyamine



CAS Registry Number: 1944-96-3

Molecular Formula: C₇H₈N₂O₃

Molecular Weight: 168.152

Accurate Mass: 168.053493

Percentage Composition: C 50.00%; H 4.80%; N 16.66%; O 28.54%

Use/Importance: Derivatisation reagent for carbonyl compds. used in gc and hplc sugars and for prostaglandin esters. Used in synth. of *N*-hydroxypeptides

Physical Description: Prisms (petrol)

Melting Point: Mp 56°

Boiling Point: Bp 130°

>>Derivative: Hydrochloride

CAS Registry Number: 2086-26-2

Physical Description: Leaflets (2*N* HCl)

Melting Point: Mp 217 dec.°

Aldrich: 22644-0

Fluka: 73200

Sigma: N7760

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1342D, (*ir*)

Brady, O.L. *et al.*, *J.C.S.*, 1927, 874, (*synth*)

Kolasa, T. *et al.*, *Tetrahedron*, 1974, **30**, 3591, (*use*)

Fitzpatrick, F.A. *et al.*, *Anal. Chem.*, 1977, **49**, 1032, (*use*)

Magin, D.F., *J. Chromatogr.*, 1979, **178**, 219, (*use*)

Lawson, M.A. *et al.*, *J. Food Sci.*, 1980, **45**, 1256, (*use*)

Baldwin, J.E. *et al.*, *Tetrahedron*, 1985, **41**, 5241, (*synth*)

Pauly, M. *et al.*, *Carbohydr. Res.*, 1996, **282**, 1-12, (*use*)