



CAS Registry Number: 4207-56-1

Molecular Formula: C₉H₁₄Br₃N

Molecular Weight: 375.928

Accurate Mass: 372.927632

Percentage Composition: C 28.76%; H 3.75%; Br 63.77%; N 3.73%

Use/Importance: Stable brominating agent

Physical Description: Bright-orange

Melting Point: Mp 115.5-116.5°

Aldrich: 13971-8

Fluka: 79253

>>Derivative: Hydroxide

CAS Registry Number: 1899-02-1

Molecular Formula: C₉H₁₅NO

Molecular Weight: 153.224

Accurate Mass: 153.115364

Percentage Composition: C 70.55%; H 9.87%; N 9.14%; O 10.44%

Use/Importance: Reagent for flash methylation of carboxylic acids for gc anal.

Fluka: 79266

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1318D; 1319A, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **1**, 1120B; 1120C, (*nmr*)

Chow, L.-Y. *et al.*, *J.A.C.S.*, 1958, **80**, 1095, (*bromide*)

Johnson, W.S. *et al.*, *Tetrahedron*, 1963, **19**, 861, (*synth, perbromide*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1967, **1**, 854; **4**, 386

Sommer, H.Z. *et al.*, *J.O.C.*, 1971, **36**, 824, (*synth*)

Fodor, G. *et al.*, *Tetrahedron*, 1973, **29**, 3309, (*synth*)

Kralovsky, J. *et al.*, *J. Chromatogr.*, 1978, **147**, 404, (*use, hydroxide*)

Kevill, D.N. *et al.*, *J.A.C.S.*, 1981, **103**, 4515, (*synth*)

Steinborn, D. *et al.*, *Z. Anorg. Allg. Chem.*, 1982, **492**, 103, (*synth*)

Holzer, G. *et al.*, *J. Chromatogr.*, 1988, **468**, 181, (*use, hydroxide*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, TMB250; TMB500; TMB750