



>>Entry Name: Hydroxycarbonimidic dibromide, 9CI

Synonym(s): Carbonyl bromide oxime, 8CI. Dibromoformoxime

CAS Registry Number: 74213-24-4

$\text{Br}_2\text{C}=\text{NOH}$

Molecular Formula: CHBr_2NO

Molecular Weight: 202.833

Accurate Mass: 200.882486

Percentage Composition: C 5.92%; H 0.50%; Br 78.79%; N 6.91%; O 7.89%

Use/Importance: Intermed. in heterocycle synth.

Physical Description: Cryst. (petrol)

Melting Point: Mp 70-71°

Boiling Point: Bp₂₅ 89-90°. Bp₃ 75°

Hazard & Toxicity: Highly irritant. Emits highly toxic fumes when heated

References:

Paolini, D. *et al.*, *Gazz. Chim. Ital.*, 1930, **60**, 700, (*synth*)

Birkenbach, L. *et al.*, *Annalen*, 1931, **489**, 7, (*synth*)

Prandtl, W. *et al.*, *Ber.*, 1932, **65**, 754, (*synth*)

Hagedorn, A.A. *et al.*, *Tet. Lett.*, 1980, 229, (*use*)

Wade, P.A. *et al.*, *J.O.C.*, 1990, **55**, 3045, (*synth*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th edn., Van Nostrand Reinhold, 1979, 549