



>>Entry Name: ***O*-(2-Methylpropyl)hydroxylamine**, 9CI

Synonym(s): Hydroxylamine isobutyl ether. *O*-Isobutylhydroxylamine. Isobutoxyamine

CAS Registry Number: 5618-62-2

$\text{H}_2\text{NOCH}_2\text{CH}(\text{CH}_3)_2$

Molecular Formula: $\text{C}_4\text{H}_{11}\text{NO}$

Molecular Weight: 89.137

Accurate Mass: 89.084064

Percentage Composition: C 53.90%; H 12.44%; N 15.71%; O 17.95%

Use/Importance: Derivatisation reagent for gc anal. of ketosteroids

Physical Description: Oil

Boiling Point: Bp 95-97°

>>Derivative: Hydrochloride

CAS Registry Number: 6084-58-8

Physical Description: Leaflets (EtOAc)

Melting Point: Mp 134-135°

References:

Theilacker, W. *et al.*, *Angew. Chem.*, 1956, **68**, 303, (*synth*)

Mamalis, P. *et al.*, *J.C.S.*, 1960, 229, (*synth*)

Baillie, T.A. *et al.*, *Anal. Lett.*, 1972, **5**, 351, (*use*)