



>>Entry Name: 2-(Dimethylamino)-N-hydroxy-N-methylacetamide, 9CI

Synonym(s): N-Methyl-2-dimethylaminoacetohydroxamic acid

CAS Registry Number: 65753-93-7

Me2NCH2CONMeOH

Molecular Formula: C5H12N2O2

Molecular Weight: 132.162

Accurate Mass: 132.089878

Percentage Composition: C 45.44%; H 9.15%; N 21.20%; O 24.21%

Use/Importance: Effects transacetylation under neutral conditions

Melting Point: Mp 94-97°

pKa Value: pK_{a1} 7.3; pK_{a2} 10.9

References:

Ono, M. *et al.*, *Tet. Lett.*, 1989, **30**, 207, (*synth*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1990, **15**, 206, (*use*)