



>>Entry Name: 4-[(Trimethylsilyl)oxy]-3-penten-2-one, 9CI

CAS Registry Number: 13257-81-3

Extra CAS Registry Numbers(s): 25145-04-4 25145-05-5

$\text{H}_3\text{CCOCH}=\text{C}(\text{OSiMe}_3)\text{CH}_3$

Molecular Formula: $\text{C}_8\text{H}_{16}\text{O}_2\text{Si}$

Molecular Weight: 172.299

Accurate Mass: 172.091957

Percentage Composition: C 55.77%; H 9.36%; O 18.57%; Si 16.30%

Source/Synthesis: Synth. from 2,4-pentanedione + $(\text{Me}_3\text{Si})_2\text{NH}$ + imidazole

Physical Description: Liq.

Boiling Point: Bp₂ 56-58°

Other Data: Obt. as a mixt. of (*E*)- and (*Z*)-forms

References:

West, R. *et al.*, *J.A.C.S.*, 1958, **80**, 3246-3249, (*synth*)

Torkelson, S. *et al.*, *Synthesis*, 1976, 722-724, (*synth*, *pmr*)