



>>Entry Name: 3-[(Dimethylamino)propyl]trimethoxysilane

Synonym(s): *N,N*-Dimethyl-3-(trimethoxysilyl)-1-propanamine, 9CI

CAS Registry Number: 2530-86-1

$\text{Me}_2\text{NCH}_2\text{CH}_2\text{CH}_2\text{Si}(\text{OMe})_3$

Molecular Formula: $\text{C}_8\text{H}_{21}\text{NO}_3\text{Si}$

Molecular Weight: 207.344

Accurate Mass: 207.129071

Percentage Composition: C 46.34%; H 10.21%; N 6.76%; O 23.15%; Si 13.55%

Source/Synthesis: Synth. from $(\text{MeO})_3\text{Si}(\text{CH}_2)_3\text{Cl}$ + Me_2NH

Boiling Point: Bp_{30} 106°

Density: d_4^{25} 0.95

Refractive Index: n_D^{25} 1.4150

References:

Speier, J.L. *et al.*, *J.O.C.*, 1971, **36**, 3120-3126, (*synth*)