



>>Entry Name: 4-(Trimethylsilyl)-3-butyn-1-ol, 9Cl

CAS Registry Number: 2117-12-6

$\text{Me}_3\text{SiC}\equiv\text{C}(\text{CH}_2)_2\text{OH}$

Molecular Formula: $\text{C}_7\text{H}_{14}\text{OSi}$

Molecular Weight: 142.272

Accurate Mass: 142.081392

Percentage Composition: C 59.10%; H 9.92%; O 11.25%; Si 19.74%

Source/Synthesis: Synth. from $\text{HC}\equiv\text{CCH}_2\text{CH}_2\text{OH}$ + EtMgBr, then Me_3SiCl

Use/Importance: Precursor to the *cis*-form of 4-(Trimethylsilyl)-3-buten-1-ol [LPX75-A](#)

Physical Description: Colourless liq.

Boiling Point: Bp_{10} 78-79°

References:

Org. Synth., 1987, **65**, 61; 1990, **68**, 182, (*synth, use, ir, pmr*)