>>**Entry Name: Ethylsilanetriol,** 9CI
Synonym(s): Ethyltrihydroxysilane

CAS Registry Number: 5651-16-1
Related CAS Registry Numbers(s): 20262-90-2
$EtSi(OH)_3$

Molecular Formula: $C_2H_8O_3Si$
Molecular Weight: 108.169
Accurate Mass: 108.024272
Percentage Composition: C 22.21%; H 7.45%; O 44.37%; Si 25.96%

>>**Derivative:** Tri-Ac
Synonym(s): Triacetoxyethylsilane

CAS Registry Number: 17689-77-9
Molecular Formula: $C_8H_{14}O_6Si$
Molecular Weight: 234.281
Accurate Mass: 234.055967
Percentage Composition: C 41.01%; H 6.02%; O 40.97%; Si 11.99%
Use/Importance: Cross-linking agent for polymers
Boiling Point: Bp_4 97-99°
Density: d_4^{25}1.14
Refractive Index: n_D^{20} 1.4123

>>**Derivative:** Tri-Me ether
Synonym(s): Ethyltrimethoxysilane, 9CI, 8CI

CAS Registry Number: 5314-55-6
Molecular Formula: $C_5H_{14}O_3Si$
Molecular Weight: 150.249
Accurate Mass: 150.071222
Percentage Composition: C 39.97%; H 9.39%; O 31.95%; Si 18.69%
Use/Importance: Polymer crosslinking agent. Vulcanising agent
Physical Description: Moisture-sensitive oil
Boiling Point: Bp_{20} 124°
Density: d_4^{20}0.95
Refractive Index: n_D^{20} 1.3838

References:

Schuyten, H.A. *et al.*, *J.A.C.S.*, 1947, **69**, 2110-2112, *(tri-Ac)*
Okawara, R.*, Bull. Chem. Soc. Jpn.*, 1955, **28**, 360-363; 364-366, *(tri-Me ether)*
Dolgov, B.N. *et al.*, *Zh. Obshch. Khim.*, 1957, **27**, 1593-1599, *(tri-Ac)*
Ostdick, T. *et al.*, *Inorg. Chem.*, 1967, **6**, 98-100, *(tri-Me ether, pmr)*
U.S. Pat., 1993, 5 238 988; *CA*, **119**, 273230x, *(tri-Ac, use)*