



>>Entry Name: Oxotripropoxyvanadium(V), 11Cl

Synonym(s): Vanadic acid tripropyl ester, 9Cl. Vanadyl tripropoxide

CAS Registry Number: 1686-23-3

VO(OCH2CH2CH3)3

Molecular Formula: $C_9H_{21}O_4V$

Molecular Weight: 244.204

Accurate Mass: 244.087947

Percentage Composition: C 44.27%; H 8.67%; O 26.21%; V 20.86%

Source/Synthesis: Synth. from $VOCl_3$ and $PrSi(OPr)_3$ or from V_2O_5 and propanol in C_6H_6

Use/Importance: Catalyses a v. wide range of reactions

Physical Description: Yellow liq.

Boiling Point: $Bp_{1.5}$ 97°

Hazard & Toxicity: Fl. p. 62°

Aldrich: 47078-3

Other: Gelest AKV915

References:

Pascal, C. *et al.*, *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1970, **271**, 1, (*magnetism, props*)

Lachowicz, A. *et al.*, *Z. Anorg. Allg. Chem.*, 1975, **418**, 65, (*synth, pmr*)

Paulsen, K. *et al.*, *Z. Naturforsch., A*, 1982, **37**, 139, (*V-51 nmr*)

U.S. Pat., 1985, 4 525 468; *CA*, **104**, 51248k, (*use*)

Ger. Pat., 1986, 3 447 290; *CA*, **105**, 227023v, (*synth*)