



>>Entry Name: Oxotris(2-propanolato)vanadium, 9Cl

Synonym(s): Vanadic acid tris(1-methylethyl) ester, 8Cl. Isopropyl orthovanadate. Triisopropyl vanadate(V). Triisopropoxy(oxo)vanadium

CAS Registry Number: 5588-84-1

VO[OCH(CH₃)₂]₃

Molecular Formula: C₉H₂₁O₄V

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 NH₄VO₃ + PrⁱOH

Physical Description: Liq.

Boiling Point: Bp₂ 80-82°

Other Data: Mp -10 to -5°

References:

Carton, F. *et al.*, *J. Phys. Chem.*, 1960, **64**, 1756-1758, (*synth*)

Lachowicz, A. *et al.*, *Z. Anorg. Allg. Chem.*, 1975, **418**, 65-71, (*pmr*)

Paulsen, K. *et al.*, *Z. Naturforsch., A*, 1978, **33**, 834-839, (*V-51 nmr*)

Wilke, K. *et al.*, *Z. Anorg. Allg. Chem.*, 1980, **465**, 193-203, (*ir, Raman*)

Turevskaya, E.P. *et al.*, *Koord. Khim.*, 1988, **14**, 926-933; *CA*, **110**, 68456v, (*synth, ir, ms*)

Hillerns, F. *et al.*, *Chem. Ber.*, 1991, **124**, 2249-2254, (*synth, ir, V-51 nmr*)