



>>Entry Name: Zirconium propoxide

Synonym(s): 1-Propanol zirconium(4+) salt. Tetrapropoxyzirconium. Zirconium tetrapropoxide

CAS Registry Number: 23519-77-9

$\text{Zr}(\text{OCH}_2\text{CH}_2\text{CH}_3)_4$

Molecular Formula: $\text{C}_{12}\text{H}_{28}\text{O}_4\text{Zr}$

Molecular Weight: 327.575

Accurate Mass: 326.103463

Percentage Composition: C 44.00%; H 8.62%; O 19.54%; Zr 27.85%

Source/Synthesis: Synth. from $\text{Zr}(\text{OPr}^i)_4$ by alcohol interchange

Use/Importance: Catalyst for polym. of alkenes

Physical Description: Highly viscous liq.

Boiling Point: $\text{Bp}_{0.1}$ 208°

References:

Bradley, D.C. *et al.*, *J.C.S.*, 1953, 2025-2030, (*synth*)

Mehrotra, R.C. *et al.*, *J.A.C.S.*, 1954, **76**, 2266-2267, (*synth*)