



>>Entry Name: Zirconium butoxide

Synonym(s): Tetrabutoxyzirconium. 1-Butanol zirconium(4+) salt, 9Cl

CAS Registry Number: 1071-76-7



Molecular Formula: $\text{C}_{16}\text{H}_{36}\text{O}_4\text{Zr}$

Molecular Weight: 383.682

Accurate Mass: 382.166063

Percentage Composition: C 50.09%; H 9.46%; O 16.68%; Zr 23.78%

Use/Importance: Used in manuf. of zirconia ceramics and composites; catalyst for alkene polym.

Melting Point: Mp 134°

Boiling Point: Bp_{0.1} 260°

Aldrich: 33394-8

Fluka: 96585

References:

Bradley, D.C. *et al.*, *J.C.S.*, 1951, 280-285; 1952, 2032-2035, (*synth*)

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