>>**Entry Name: Tantalum ethoxide**
Synonym(s): Ethanol tantalum(5+) salt. Pentaethoxytantalum

CAS Registry Number: 6074-84-6
$Ta(OEt)_5$

Molecular Formula: $C_{10}H_{25}O_5Ta$
Molecular Weight: 406.252
Accurate Mass: 406.118192
Percentage Composition: C 29.57%; H 6.20%; O 19.69%; Ta 44.54%
Source/Synthesis: Synth. from $TaCl_5 + NH_3 + EtOH$
Use/Importance: Used in chem. vapour deposition of Ta_2O_5
Physical Description: Liq.
Melting Point: Mp 20°
Boiling Point: Bp_{10} 202°

Other: Gelest AKT810

References:

Bradley, D.C. *et al.*, *J.C.S.*, 1955, 726-728; 1961, 2601-2605, *(synth, ir)*
Turova, N.Ya. *et al.*, *Polyhedron*, 1996, **15**, 3869-3880, *(synth, ir, ms)*