

Ta(NtBu)(NEtMe)₃

Tantalum t-Butylimide tris(ethylmethanamide)
(Tertiarybutylimido)tris(ethylmethanamido)tantalum
TBTEMT

Chemical formula	Ta[NC(CH ₃) ₃][N(C ₂ H ₅)(CH ₃) ₃] ₃									
CAS No.	[511292-99-2]				Formula weight		426.37			
Physical form	Pale yellow liquid									
Density	1.32(g/ml)									
Degree of association	1 (in benzene solution)									
Solubility	miscible with toluene, hexane and octane									
Air and moisture sensitive										
Typical impurities (ppm)	Na <1	K <1	Mg <1	Ca <1	Cr <1	Fe <1	Cu <1	Ni <1		
Vapor pressure (as monomer)										

ca.70°C/13.3Pa

Clausius-Clapeyron equation

$$\log_{10} P = - \frac{3233}{T} + 10.54$$

P: Pa T: K

