



>>Entry Name: Thulium(III) oxide (Tm₂O₃)

Synonym(s): Thulia

CAS Registry Number: 12036-44-1

Tm₂O₃

Molecular Formula: O₃Tm₂

Molecular Weight: 385.867

Accurate Mass: 385.853169

Percentage Composition: O 12.44%; Tm 87.56%

Source/Synthesis: Obt. by heating Tm salts in air

Physical Description: White solid

Melting Point: Mp 2341°

Boiling Point: Bp 3945°

Solubility: Insol. H₂O; sol. acid

Other Data: $\mu_{\text{eff}} = 7.39\mu_{\text{B}}$

Aldrich: 28916-7

Fluka: 89250

Sigma: T9125

References:

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