



>>Entry Name: Thulium(III) oxalate

Synonym(s): Tris(oxalato)dithulium(III). Tris(ethanedioato)dithulium(III)

CAS Registry Number: 3269-17-8

Related CAS Registry Numbers(s): 13285-38-6

$\text{Tm}_2(\text{C}_2\text{O}_4)_3$

Molecular Formula: $\text{C}_6\text{O}_{12}\text{Tm}_2$

Molecular Weight: 601.927

Accurate Mass: 601.807404

Percentage Composition: C 11.97%; O 31.90%; Tm 56.13%

>>Derivative: Hexahydrate

CAS Registry Number: 26677-68-9

Molecular Formula: $\text{C}_6\text{H}_{12}\text{O}_{18}\text{Tm}_2$

Molecular Weight: 710.018

Accurate Mass: 709.870794

Percentage Composition: C 10.15%; H 1.70%; O 40.56%; Tm 47.59%

Physical Description: Green solid

Other Data: Presumed 8-coord. by comparison with Yb analogue. $\mu_{\text{eff}} = 7.47\mu_{\text{B}}$

References:

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Grzymalski, Z. *et al.*, *Bull. Acad. Pol. Sci., Ser. Sci. Chim.*, 1965, **13**, 475, (*ir*)

Hansson, E., *Acta Chem. Scand.*, 1973, **27**, 823, (*struct*)

Sharov, V.A. *et al.*, *Koord. Khim.*, 1979, **5**, 653; *Sov. J. Coord. Chem. (Engl. Transl.)*, 1979, **5**, 512, (*magnetism*)

Fuller, M.J. *et al.*, *J. Less-Common Met.*, 1980, **70**, 127, (*dta, tga*)

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