



>>Entry Name: Samarium(III) oxalate

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

CAS Registry Number: 3252-68-4

Related CAS Registry Numbers(s): 10171-50-3

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

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

Molecular Weight: 564.779

Accurate Mass: 567.778438

Percentage Composition: C 12.76%; O 33.99%; Sm 53.25%

>>Derivative: Decahydrate

CAS Registry Number: 14175-03-2

Molecular Formula: $\text{C}_6\text{H}_{20}\text{O}_{22}\text{Sm}_2$

Molecular Weight: 744.931

Accurate Mass: 747.884088

Percentage Composition: C 9.67%; H 2.71%; O 47.25%; Sm 40.37%

Physical Description: Bright yellow cryst.

References:

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Weigel, F. *et al.*, *Acta Cryst.*, 1967, **22**, 923, (*struct*)
Ollendorff, W. *et al.*, *Inorg. Nucl. Chem. Lett.*, 1969, **5**, 263, (*struct*)
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Sharov, V.A. *et al.*, *Koord. Khim.*, 1979, **5**, 653; *Sov. J. Coord. Chem. (Engl. Transl.)*, 1979, **5**, 512, (*magnetism*)
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