



>>Entry Name: Aluminium diacetate monohydroxide

Synonym(s): Aluminium hydroxide bis(ethanoate). Bis(acetato-*O*)hydroxyaluminium. **Aluminium acetate hydroxide**‡. Aluminium subacetate, USAN. Burotor. Domeboro. Essitol. Many other names

CAS Registry Number: 142-03-0

$\text{AlOH}(\text{OAc})_2$

Molecular Formula: $\text{C}_4\text{H}_7\text{AlO}_5$

Molecular Weight: 162.078

Accurate Mass: 162.010889

Percentage Composition: C 29.64%; H 4.35%; Al 16.65%; O 49.36%

Source/Synthesis: Synth. from NaOAc and $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$ or from $\text{NaAlO}_2 + \text{AcOH}$

Use/Importance: Antiseptic; deodorant; mordant

Physical Description: White solid (H_2O)

Aldrich: 28982-5

Fluka: 6157

Sigma: A3774

References:

Hood, G.C. *et al.*, *J.A.C.S.*, 1950, **72**, 2094, (*synth*)

Mehrotra, R.C. *et al.*, *Metal Carboxylates*, Academic Press, London, 1983

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Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., Akademie-Verlag, 1994, 56