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>>Entry Name: Aluminium copper oxide ( $\text{Al}_2\text{CuO}_4$ ), 9CI

CAS Registry Number: 12042-92-1

$\text{Al}_2\text{CuO}_4$

**Molecular Formula:**  $\text{Al}_2\text{CuO}_4$

**Molecular Weight:** 181.507

**Accurate Mass:** 180.882336

**Percentage Composition:** Al 29.73%; Cu 35.01%; O 35.26%

**General Statement:** Spinel struct.

**Source/Synthesis:** Synth. by heating  $\text{Al}_2\text{O}_3 + \text{CuO}$

**Physical Description:** Cryst.

**References:**

Arjomand, M. *et al.*, *J.C.S. Dalton*, 1975, 1061-1066, (*synth, cryst struct*)

Kurihara, L.K. *et al.*, *Chem. Mater.*, 1993, **5**, 609-613, (*synth, cryst struct*)