



>>Entry Name: Gallium compd. with vanadium (1:3), 9CI

CAS Registry Number: 12024-15-6

GaV₃

Molecular Formula: GaV₃

Molecular Weight: 222.548

Accurate Mass: 221.757466

Percentage Composition: Ga 31.33%; V 68.67%

General Statement: β-W struct.

Source/Synthesis: Phase in the Ga-V system

Use/Importance: Used in superconducting wires for magnets

Other Data: Superconductor with transition temp. 16.5K

References:

Wood, E.A. *et al.*, *Acta Cryst.*, 1958, **11**, 604-606, (*cryst struct*)

Fischer, J.J. *et al.*, *J. Less-Common Met.*, 1965, **9**, 416-422, (*synth*)

Tachikawa, K. *et al.*, *J. Mater. Sci.*, 1977, **7**, 1154-1160, (*synth*)