



>>Entry Name: Gallium neodymium oxide (GaNdO₃), 9CI

Synonym(s): Neodymium gallate (NdGaO₃)

CAS Registry Number: 12207-22-6

NdGaO₃

Molecular Formula: GaNdO₃

Molecular Weight: 261.961

Accurate Mass: 258.818044

Percentage Composition: Ga 26.62%; Nd 55.06%; O 18.32%

General Statement: Perovskite struct.

Source/Synthesis: Synth. from molten Ga₂O₃ + Nd₂O₃

Physical Description: Cryst.

References:

Brusset, H. *et al.*, *Bull. Soc. Chim. Fr.*, 1967, 2886, (*cryst struct*)

Saine, M.C. *et al.*, *Spectrochim. Acta A*, 1982, **38**, 19, (*ir, Raman*)

O'Bryan, H.M. *et al.*, *J. Mater. Res.*, 1990, **5**, 183, (*synth, dsc, dta*)

Marti, W. *et al.*, *J. Phys.: Condens. Matter*, 1994, **6**, 127, (*synth, nd*)