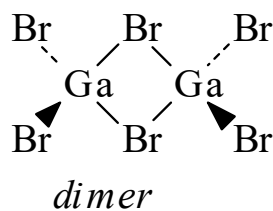




>>Entry Name: Gallium(III) bromide (GaBr₃)

Synonym(s): Gallium tribromide



CAS Registry Number: 13450-88-9

Molecular Formula: Br₃Ga

Molecular Weight: 309.435

Accurate Mass: 305.740588

Percentage Composition: Br 77.47%; Ga 22.53%

General Statement: Dimeric

Use/Importance: Synth. intermed. for halide complexes, organometallics

Solubility: Sol. hydrocarbons, Et₂O

Aldrich: 45086-3

>>Derivative: Dimer

Synonym(s): Di-μ-bromotetrabromodigallium

Molecular Formula: Br₆Ga₂

Molecular Weight: 618.87

Accurate Mass: 611.481176

Percentage Composition: Br 77.47%; Ga 22.53%

Source/Synthesis: Synth. from Ga + Br₂

Physical Description: White moisture-sensitive cryst.

Melting Point: Mp 122.5°

Density: d¹²⁵ 3.11

References:

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