

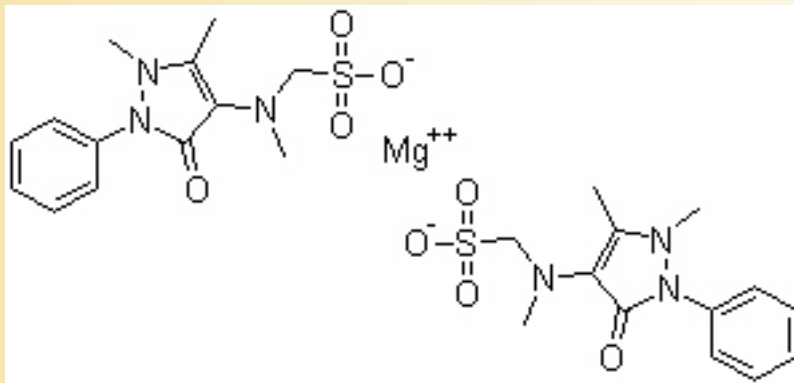
Magnesium Valproate (Cas No 63372-86-1)

Name : Magnesium Valproate

Molecular Formula C₂₆H₃₂MgN₆O₈S₂

Molecular Weight 645.00

CAS Registry Number 63372-86-1



Element category alkaline earth metal

Group, period, block 2, 3, s

Appearance silvery white solid at room temp

Standard atomic weight 24.3050(6) g·mol⁻¹

Electron configuration [Ne] 3s²

Electrons per shell 2, 8, 2 (Image)

Physical properties

Phase solid

Density (near r.t.) 1.738 g·cm⁻³

Liquid density at m.p. 1.584 g·cm⁻³

Melting point 923 K

(650 °C, 1202 °F)

Boiling point 1363 K

(1091 °C, 1994 °F)

Heat of fusion 8.48 kJ·mol⁻¹

Heat of vaporization 128 kJ·mol⁻¹

Specific heat capacity (25 °C) 24.869 J·mol⁻¹·K⁻¹