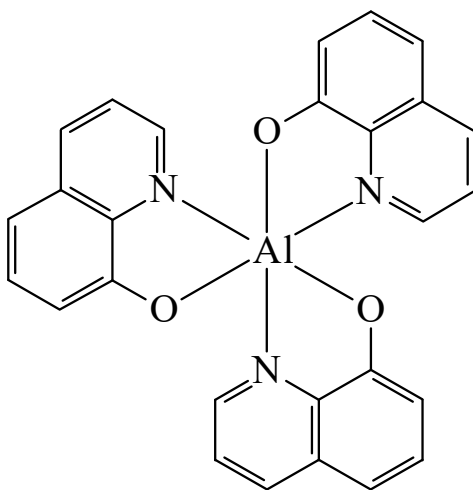




>>Entry Name: Tris(8-quinolinolato- N^1,O^8)aluminium(III)

Synonym(s): Aluminium 8-hydroxyquinolate. Tris(oxinato)aluminium



CAS Registry Number: 2085-33-8

Molecular Formula: $C_{27}H_{18}AlN_3O_3$

Molecular Weight: 459.439

Accurate Mass: 459.116356

Percentage Composition: C 70.59%; H 3.95%; Al 5.87%; N 9.15%; O 10.45%

Use/Importance: Used for extraction of $Al^{3(+)}$ into org. solvs. and in gravimetric anal.; light-emitting material for org. electroluminescence devices

Physical Description: Yellow cryst. (H_2O at pH 5)

Solubility: Sol. 4-methyl-2-butanone, EtOAc, alcohols; spar. sol. $CHCl_3$, C_6H_6 , CCl_4

Other Data: Isomers detected in ms

Aldrich: 41628-2

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