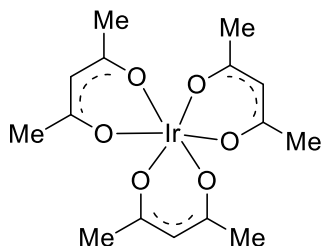


Catalog # 77-1500 Iridium(III) acetylacetonate, 98%



Thermal Behavior:

- Vapor pressure curve available in [3]
- Sublimation: 150-180 °C at 0.05 Torr [3]
- Melting point: 268-270°C [2]
- Solid state decomposition >350 °C [3]

Technical Notes:

1. B-diketonate precursor for CVD and ALD of iridium metal and oxide thin films.

Target Deposit	Deposition Technique	Delivery Temperature	Pressure	Co-reactants	Deposition Temperature	Ref.
Ir	CVD	220 °C	760 Torr	H ₂	350-550 °C	[1]
Ir	CVD	190 °C	38-75 Torr	-	200-250°C	[5]
Ir	ALD	150 °C	8 Torr	air	200-400 °C	[4]
Ir	ALD	150-175 °C	0.01-2 Torr	O ₂	250-300 °C	[8, 11, 12]
Ir	ALD	155-165 °C	2-8 Torr	O ₃ , H ₂	165-200 °C	[7, 12]
Ir	ALD	155 °C	8 Torr	O ₂ , H ₂	200-350 °C	[13]
IrPt	ALD	160 °C	1 Torr	Pt(MeCp)Me ₃ , O ₂	300 °C	[9, 10]
IrO ₂	ALD	155-165 °C	2-8 Torr	O ₃	165-225 °C	[6, 12]

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