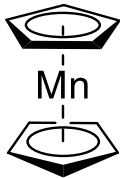


Catalog # 25-0200 Bis(cyclopentadienyl)manganese, 98+% (Manganocene)



Thermal Behavior:

- Melting point: 172-173°C [1]
- Sublimation: 150°C/0.1 Torr [1]
- Vapor pressure: 10^{-3} - 10^{-4} Torr/70°C (estimated) [2]

Technical Notes:

1. Use as Mn dopant in Zn.

Target Deposit	Deposition Technique	Delivery Temperature	Pressure	Co-reactants	Deposition Temperature	Ref.
Mn:ZnS	CVD	75-95°C	-	Me ₂ Zn; H ₂ S	225°C	3-5

References:

1. [IEEE Trans. Device Mater. Reliab. 2011, 11, 295.](#)
2. [J. Cryst. Growth., 1988, 93, 686.](#)
3. [J. Electrochem. Soc. 1996, 143, 4116.](#)
4. [Jpn. J. Appl. Phys. 1997, 36, 2728.](#)
5. [J. Mater. Res. 2004, 19, 697.](#)