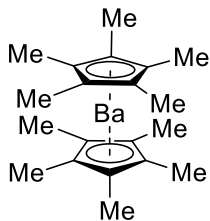


Catalog # 56-8450 Bis(pentamethylcyclopentadienyl)barium, 98%



## Thermal Behavior:

- Melting point 265-268°C [1]
- Sublimation at 130-140°C/10<sup>-3</sup> Torr [1]
- TGA data of Cp\*<sub>2</sub>Ba adducts are given in [4]

## Technical Notes:

1. CVD and ALD precursor for preparation of barium containing thin films [2].

Target Deposit	Deposition Technique	Delivery Temperature	Pressure	Co-reactants	Deposition Temperature	Ref.
BaTiO <sub>3</sub>	ALD	160°C	7.5 Torr	Ti(O <sup>i</sup> Pr) <sub>4</sub> ; H <sub>2</sub> O	275°C	3
BaS	ALD	160°C	7.5 Torr	H <sub>2</sub> S	180-400°C	5

## References:

1. [J. Organomet. Chem., 1987, 325, 31.](#)
2. [J. Phys. Chem. A, 2007, 111, 8147.](#)
3. [ECS Solid State Lett., 1999, 2, 504.](#)
4. [Dalton Trans., 2004, 1181.](#)
5. [Chem. Mater. 2002, 14, 1937.](#)