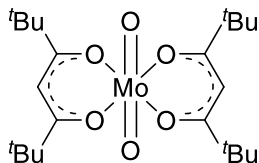


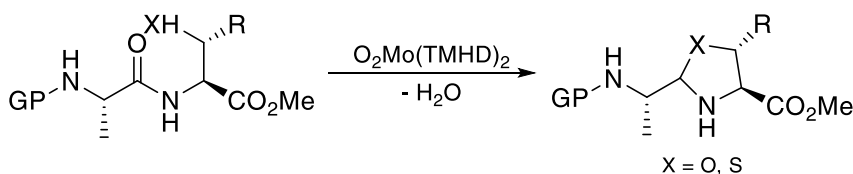
Catalog # 42-1357 Molybdenum(VI) dioxide bis(2,2,6,6-tetramethyl-3,5-heptanedionate), min. 98%  
[O<sub>2</sub>Mo(TMHD)<sub>2</sub>]



### Catalysis Applications

Technical Notes:

- Used in dehydrative cyclization of serine, threonine, and cysteine residues catalyzed by molybdenum(VI) oxo compounds.



**Tech Note (1)**  
**Ref. (1)**

References:

- [Tetrahedron 2009, 65, 2102.](#)

### CVD/ALD Applications

Thermal Behavior:

- Melting point: 129-131°C
- TGA diagram and data are available in [1]

Technical Notes:

- Precursor for thin molybdenum films.

Target Deposit	Deposition Technique	Delivery Temperature	Pressure	Co-reactants	Deposition Temperature	Ref.
MoO <sub>x</sub>	ALD	135°C	3.75 Torr	O <sub>3</sub>	250°C	1

References:

- [Mater. Today Chem. 2018, 9, 17.](#)