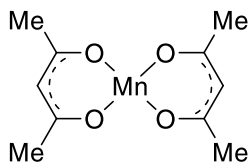


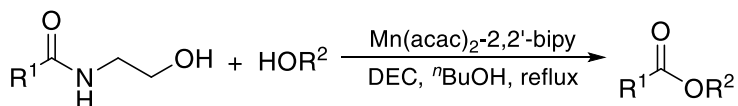
Catalog # 93-2503 Manganese(II) acetylacetonate, 95%



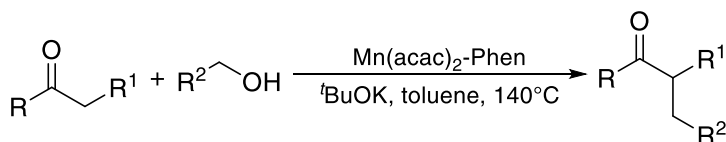
Catalysis Applications

Technical Notes:

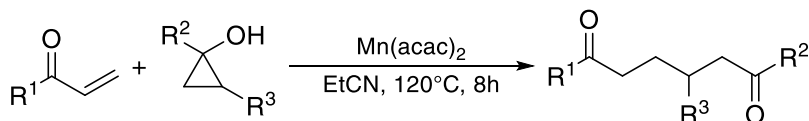
1. Catalyst used for the esterification of *N*-β-hydroxyethylamides
2. Catalyst for alkylation of methylene ketones with alcohols
3. Catalyst for ring-opening coupling reactions of cyclopropanols with enones
4. Catalyst used for the cascade annulations of alkyne-tethered *N*-alkoxyamides to generate polycyclic isoquinolin-1(2*H*)-ones
5. Precursor used for preparation of Mn(0) based nanoparticles



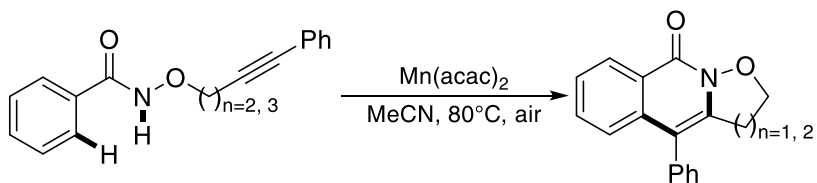
Tech Note (1)
Ref. (1)



Tech Note (2)
Ref. (2)



Tech Note (3)
Ref. (3)



Tech Note (4)
Ref. (4)

References:

1. [Synlett 2015, 26, 1831](#)
2. [Chem. Commun. 2018, 54, 14069](#)
3. [Org. Lett. 2019, 21, 5101](#)
4. [Org. Biomol. Chem. 2019, 17, 10167](#)

CVD/ALD Applications

Thermal Behavior:

- Decomposition >260°C [1, 2]
- Melting point: 256°C [2]
- TGA diagram and data is available in [1, 2]

Technical Notes:

1. CVD precursor for manganese thin film deposition.

Target Deposit	Deposition Technique	Delivery Temperature	Pressure	Co-reactants	Deposition Temperature	Ref.
MnO _x	AA-CVD	MeOH aerosol, <65°C	AP	-	1) 260-290°C 2) 290-450°C	2

References:

1. [J. Mater. Chem. A, 2019, 7, 18568](#)
2. [Russ. J. Inorg. Chem. 2021, 66, 684](#)