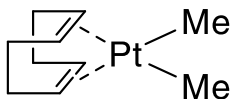


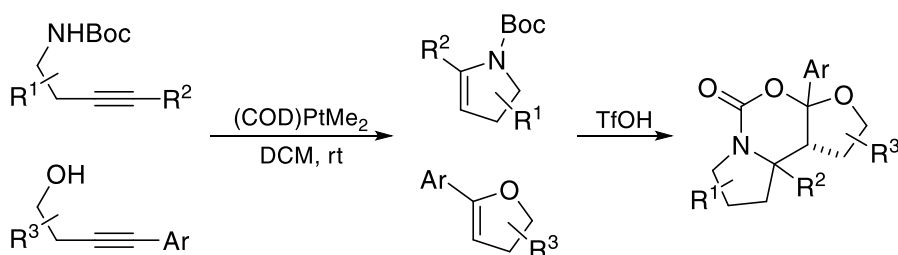
Catalog # 78-0700 Dimethyl(1,5-cyclooctadiene)platinum(II), 99%



### Catalysis Applications

Technical Notes:

1. Catalyst for the double cycloisomerization/heterodimerization cascade reaction of from simple alkynamine and alkynol derivatives to generate complex heterocyclic products
2. Valuable precursor for the preparation of platinum-based nanoparticles, electro- and heterogenous catalysts via thermal decomposition



Tech Note (1)  
Ref. (1)

References:

1. [Angew. Chem. 2013, 125, 6154](#)

### CVD/ALD Applications

Thermal Behavior:

- Decomposition at 94-95°C [1]
- TGA diagram and data are available in [2]
- Vapor pressure easements are available in [2]
- Sublimation at 50 °C/150 mTorr [3]

Technical Notes:

1. CVD precursor for the preparation of platinum nanoparticles

Target Deposit	Deposition Technique	Delivery Temperature	Pressure	Co-reactants	Deposition Temperature	Ref.
Pt	CVD	-	AP	H <sub>2</sub>	60°C	4
Pt:Pd	CVD	65°C	AP	[Pd(C <sub>4</sub> H <sub>7</sub> )(hfac)]	85°C	5

References:

1. [Inorg. Chem. 1963, 2, 1255](#)
2. [Chem. Mater. 2000, 12, 390](#)
3. [Organometallics 2020, 39, 4565](#)
4. [Langmuir, 2000, 16, 5837](#)
5. [Chem. Mater. 2003, 15, 2696](#)