



CERTIFICATE OF ANALYSIS

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1. Identification

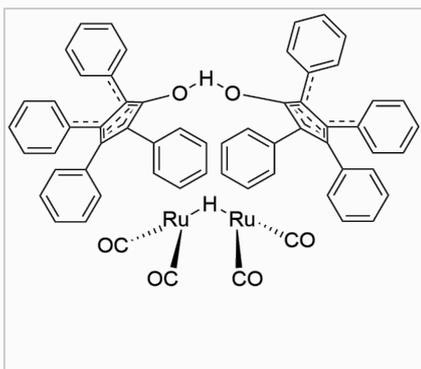
Catalogue Number: S282400

CAS Number: 104439-77-2

Product: Shvo's Catalyst

Synonym: Tetracarbonyl- μ -hydro[(1,2,3,4,5- η)-1-hydroxy-2,3,4,5-tetraphenyl-2,4-cyclopentadien-1-yl][(2,3,4,5- η)-2,3,4,5-tetraphenyl-2,4-cyclopentadien-1-one]diruthenium Coordination Compound; 2,3,4,5-Tetraphenyl-1,3-cyclopentadien-1-ol Ruthenium Complex; 2,3,4,5-Tetraphenyl-2,4-cyclopentadien-1-one Ruthenium Complex; Tetracarbonyl- μ -hydro[(1,2,3,4,5- η)-1-hydroxylato-2,3,4,5-tetraphenyl-2,4-cyclopentadien-1-yl][(1,2,3,4,5- η)-1-hydroxy-2,3,4,5-tetraphenyl-2,4-cyclopentadien-1-yl]diruthenium; 1-Hydroxytetr

Structure:



Molecular Formula:

$C_{62}H_{42}O_6Ru_2$

Molecular weight:

1085.13

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 711642041-1-1

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

| Tests: | Specifications: | Results: |
|--------------------|------------------------------|---------------------|
| Elemental Analysis | Conforms | %C: 67.62, %H: 3.90 |
| Appearance | Light Orange to Orange Solid | Orange Solid |
| MS | Conforms to Structure | Conforms |
| NMR | Conforms to Structure | Conforms |

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By

Henry Tieu



Reviewed By

Toni Rantanen



**C of A Approved
By**

Christina Gouliaras



Test Date

7/27/2022

Retest Date

7/25/2026