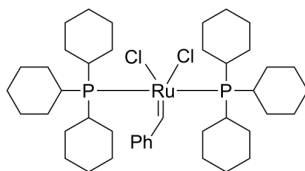


Certificate of Analysis

Compound Information

Product Name:	Grubbs 1st
Cat. No.:	1023599
CAS No.:	172222-30-9
Molecular Formula:	C ₄₃ H ₇₂ Cl ₂ P ₂ Ru
Molecular Weight:	822.96
Chemical Structure:	



Batch Information

Batch No.:	L362003
Storage:	2-8°C, protect from light, stored under nitrogen
Test Date:	2024-03-01
Retest Date:	2027-02-28
Origin:	Shanghai, China

QC Summary

	Specification	Result
Appearance:	Pale purple to purple (Solid)	Dark Purple (Solid)
¹H NMR Spectrum:	Consistent with structure	Consistent with structure
Purity, ω/%:	>97	98
Structure Identification(¹H NMR Spectrum):	Conforms	Conforms
Structure Identification(³¹P NMR Spectrum):	Conforms	Conforms
Conclusion:	The product has been tested and complies with the given specifications.	

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

E-mail: product@leyan.com

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai