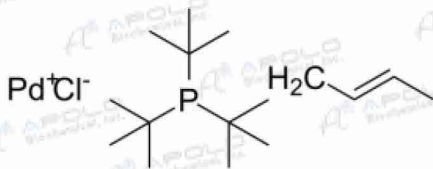


CERTIFICATE OF ANALYSIS

Product Name: Chloro(crotyl)(tri-tert-butylphosphine)palladium(II)

Chemical Structure:



Lot Number: CS01873371110211

CAT Number: APL-WCPC-1334497

CAS Registry Number: 1334497-00-5

Manufacture Date: 02/2022

Expiry Date: 02/2025

Molecular Formula: C16H34ClPPd

Molecular Weight: 399.29

Storage: 4°C (Stored under nitrogen)

Analysis Data

Item	Specification	Results
Appearance	Light yellow to yellow (Solid)	Complies
Purity	≥ 98.0 %	98.0 %
Pd	15~20 %	16.30 %

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Jennifer LaBrecque

Jennifer LaBrecque 02/2022
Quality Assurance Manager

Conclusion: The above product meets the specifications of APOLO