

**Catalyst Name:** Grubbs Catalyst™ 1<sup>st</sup> Generation  
97%

**Synonym:** *Benzylidene-bis(tricyclohexylphosphine)dichlororuthenium, Bis(tricyclohexylphosphine)benzylidene ruthenium(IV) dichloride, Dichloro(benzylidene)bis(tricyclohexylphosphine)ruthenium(II),*

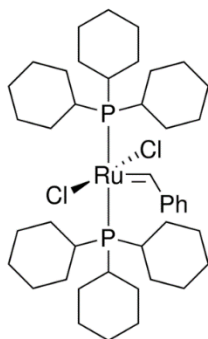
**Sample ID:** P41602-Grubbs

**CAS Number:** 172222-30-9

**Empirical Formula (Hill Notation)** C<sub>43</sub>H<sub>72</sub>Cl<sub>2</sub>P<sub>2</sub>Ru

**Molecular Weight:** 822.96

**Structure:**



---

**Appearance**

Color: Purple brown

Form: Powder

Infrared spectrum Conforms to Structure

**Characterization:**

The chemical structure was confirmed by <sup>1</sup>H-NMR and FT-IR spectroscopies.