



## Product Specification

**Chemical Name:** Bis(trifluoromethanesulfonyl)imidate(tri-phenylphosphine)gold(I) toluene adduct (2:1)

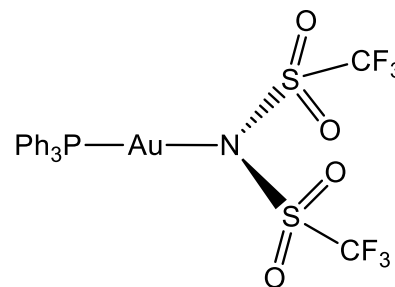
**CMI Product Code:** 2043

**CAS Number:** 866395-16-6

**Formula:**  $[(C_{18}H_{15}P)Au(NS_2O_4C_2F_6)]_2 \cdot C_7H_8$

**Formula Weight:** 1570.93 g/mol

**Theoretical Au%:** 25.1%



### PARAMETER

### SPECIFICATION

<b>Au Assay</b>	25.1 ± 0.6%
<b>Chemical Purity</b>	≥ 98% (based on Carbon %)
<b>Microanalysis</b>	Carbon: 35.93 ± 0.6% Hydrogen: 2.44 ± 0.6% Nitrogen: 1.78 ± 0.6% Sulfur: 8.16 ± 0.3%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Infrared Spectrum</b>	Conforms to structure
<b>Appearance</b>	Off-white to grey violet solid
<b>Storage</b>	Store in a tightly closed container in a cool, dry place.

**Reviewing Chemist:** Dr. Bryan Frauhiger, Ph.D., Organometallic Technical Director: BEF

**Specification Approval:** Dr. Ernest Addo, Ph.D., Director of Quality & Analytical Testing: EA

**Specification Revision Date:** October 8<sup>th</sup>, 2014

**Revision Level:** 0

Colonial Metals warrants, that at the time of product release this product conformed to the information contained on this specification sheet. Purchaser must determine the suitability of the product for its particular use.