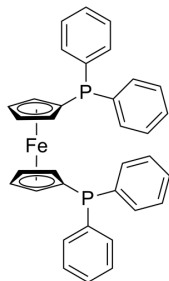


Certificate of Analysis

Product Name: DPPF
Cat. No.: CS-W018341
CAS No.: 12150-46-8
Batch No.: Le1014103197
Chemical Name: Ferrocene, 1,1'-bis(diphenylphosphino)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{34}H_{28}FeP_2$
Molecular Weight: 554.38
Storage: 2-8°C, protect from light, stored under nitrogen
Chemical Structure:



ANALYTICAL DATA

Appearance: Light yellow to brown (Solid)
 1H NMR Spectrum: Consistent with structure
Purity (NMR): $\geq 98.0\%$
Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA