

# Technical Data Sheet

## [1,1'-Bis(diphenylphosphino)ferrocene dichloropalladium

|                            |                                  |
|----------------------------|----------------------------------|
| <b>CAS No.</b>             | 72287-26-4                       |
| <b>Formula</b>             | Pd(dppf)Cl <sub>2</sub>          |
| <b>Molar Mass (gm/mol)</b> | 731.7                            |
| <b>Grade</b>               | RM HC 115                        |
| <b>Appearance</b>          | red to dark red amorphous powder |
| <b>Metal Content</b>       | 13.45%-15.54%                    |
| <b>Melting Point (°C)</b>  | 266-283°C                        |

### Storage Condition

- Store in a tightly closed container at ambient temperature.

### Application

- Cross-coupling of sec-alkyl and n-alkyl Grignard reagents with high yield and selectivity.
- Suzuki coupling of aryl boronic esters with methyl iodide to form functionalized toluene derivatives. Kumada cross-coupling of 1,3,5-tribromobenzene with Grignard reagents to form star-shaped oligothiophenes.