Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number 29544

Product Bis(acetonitrile)dichloropalladium(II)

Lot Number 002164-5049-131804

Palladium(II) chloride diacetonitrile complex

CAS Number 14592-56-4

Molecular Formula PdCl₂•(CH₃CN)₂

Molecular Weight 259.43

Appearance Orange crystalline solid

Elemental Analysis

(Theory)

C = 18.52%, H = 2.33%, N = 10.80%

Elemental Analysis

(Found)

C = 18.55%, H = 2.61%, N = 10.84%

Infrared Spectrum Conforms to structure
Assay 100% (41.12% Pd)

Application Used as a catalyst for cyclization of δ-acetylenic carboxylic acids to

butenolides, aza-Michael reaction, rearrangement of allylic imidates to allylic amides, Nazarov cyclization, diamination of conjugated dienes, C-H activation of indoles, direct C-H arylation of isoxazoles at the 5 position, and three component Michael addition, cyclization, cross-

coupling reaction.

Storage Store at RT

Certificate of Analysis

Catalog Number: 29544 Lot Number: 002164-5049-131804

Remarks

See material safety data sheet for additional information

For laboratory use only

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

Bala Kumar

Quality Control Manager