

Certificate of Analysis

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Product Name: Tris DBA

Catalog No.: 3416

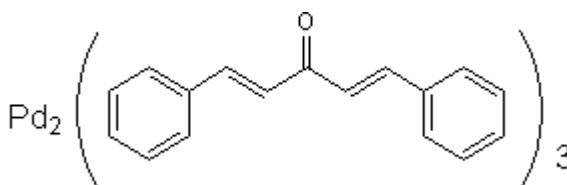
Batch No.: 1

CAS Number: 51364-51-3

IUPAC Name: *Tris*(dibenzylideneacetone) dipalladium

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₅₁H₄₂O₃Pd₂
Batch Molecular Weight: 915.73
Physical Appearance: Dark red solid
Solubility: DMSO to 11 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	66.89	4.62	
Found	65.2	4.6	

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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IUPAC Name: *Tris*(dibenzylideneacetone) dipalladium

Description:

N-myristoyltransferase-1 (NMT-1) inhibitor that prevents activation of MAPK, PI 3-K and STAT3 signaling pathways. Exhibits antiproliferative activity against melanoma cells *in vitro* and *in vivo*. Also used as a cyclization catalyst.

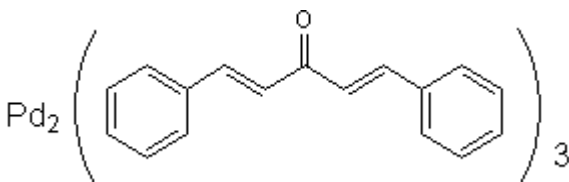
Physical and Chemical Properties:

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Solubility & Usage Info:

DMSO to 11 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Bhandarkar et al (2008) Tris(Dibenzylideneacetone) dipalladium, a N-myristoyltransferase-1 inhibitor, is effective against melanoma growth *in vitro* and *in vivo*. *Clin.Cancer Res.* **14** 5743. PMID: 18794083.

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