

## 1. Identification

### Catalogue Number

TRC-B588600

### Lot Number

7-TAH-35-1

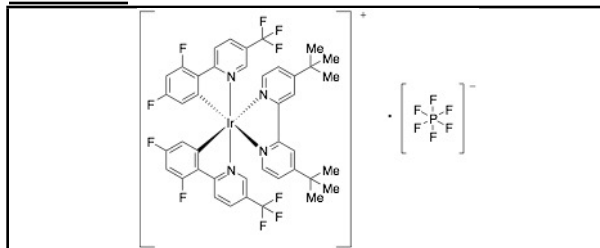
### Product Name

[4,4'-Bis(tert-butyl)-2,2'-bipyridine]bis[3,5-difluoro-2-[5-(trifluoromethyl)-2-pyridinyl]phenyl]iridium(III) hexafluorophosphate

### Synonyms

Iridium(1+), [4,4'-bis(1,1-dimethylethyl)-2,2'-bipyridine-κN1,κN1']bis[3,5-difluoro-2-[5-(trifluoromethyl)-2-pyridinyl-κN]phenyl-κC]-, (OC-6-33)-, hexafluorophosphate(1-); Ir[df(CF<sub>3</sub>)ppy]2(dtbbpy)PF<sub>6</sub>; [Ir(dtbbpy)df(CF<sub>3</sub>)ppy]2PF<sub>6</sub>

### Structure



### CAS Number

870987-63-6

### Solubility

Chloroform (Slightly)

### Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

### Molecular Formula

C<sub>42</sub>H<sub>34</sub>F<sub>10</sub>IrN<sub>4</sub> • F<sub>6</sub>P

### Source of Product

N/A

### Long Term Storage Conditions

-20°C

### Molecular Weight

976.95 + (144.96)

### Purity

95%

## 2. Warnings

Not Determined

## 3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Light Yellow to Yellow Solid	Light Yellow to Yellow Solid
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 44.70, %H: 3.03, %N: 4.99
MS	Conforms to Structure	Conforms
Iridium Content	Report Result	14.94% by ICP Analysis

### Additional Information

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

## 4. Signatures

### Reviewed by



Philip Chan

### Reviewed by



Eric Beaton

### C of A Approved by



Kevin Saldanha

### Test Date

5/16/2019

### Retest Date

5/14/2023