

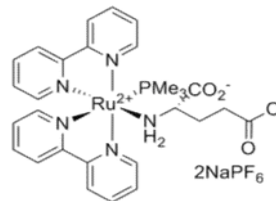
# Certificate of Analysis



## Product Identification

**Catalog number** HB0567  
**Compound name** RuBi-Glutamate  
**Chemical name** (bis (2,2'-Bipyridine-*N,N'*)trimethylphosphine)-(S)-1-aminopropane-1,3-dicarboxylic acid ruthenium(2+) complex sodium hexafluorophosphate salt  
**Batch number** E1077-6-5  
**Batch molecular formula** C<sub>28</sub>H<sub>32</sub>N<sub>5</sub>O<sub>4</sub>PRu.2NaPF<sub>6</sub>  
**Batch molecular weight** 970.54

## Chemical Structure



## Method

## QC requirement

## QC Result

<b>NMR</b>	1H NMR in D <sub>2</sub> O at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray negative analysis consistent with structure	Meets specification
<b>Physical appearance</b>	Yellow to orange solid	Meets specification: Orange solid
<b>Solubility</b>	Soluble in water	Meets specification

**Produced by** Richard Patterson

Signature

**Passed by** Steve Roome

Signature

Date

10/06/2022

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.