

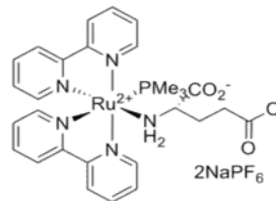
# Certificate of Analysis



## Product Identification

<b>Catalog number</b>	HB0567
<b>Compound name</b>	RuBi-Glutamate
<b>Chemical name</b>	(bis (2,2'-Bipyridine- <i>N,N'</i> )trimethylphosphine)-(S)-1-aminopropane-1,3-dicarboxylic acid ruthenium(2+) complex sodium hexafluorophosphate salt
<b>Batch number</b>	E2374-2-15
<b>Batch molecular formula</b>	C <sub>28</sub> H <sub>32</sub> N <sub>5</sub> O <sub>4</sub> PRu.2NaPF <sub>6</sub>
<b>Batch molecular weight</b>	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 and shows <1% free glutamate	Meets specification
<b>Mass spectrum</b>	Electrospray positive 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

24/10/2023

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