

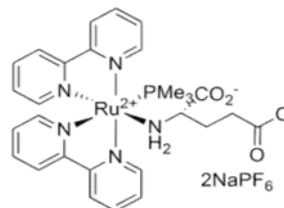
Certificate of Analysis



Product Identification

Catalog number	HB0567
Compound name	RuBi-Glutamate
Chemical name	(bis(2,2'-Bipyridine- <i>N,N'</i>)trimethylphosphine)-(S)-1-aminopropane-1,3-dicarboxylic acid ruthenium(2+) complex sodium hexafluorophosphate salt
Batch number	E0408-7-1
Batch molecular formula	C ₂₈ H ₃₂ N ₅ O ₄ PRu.2NaPF ₆
Batch molecular weight	970.54

Chemical Structure



Method

QC requirement

QC Result

NMR	1H NMR in D ₂ O at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Physical appearance	Yellow to orange solid	Meets specification: Orange solid
Solubility	Soluble in water (20 mM)	Meets specification

Biological validation

Produced by Richard Patterson

Signature

Passed by Huw Davies

Signature

Date

03-07-17

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