

# Certificate of Analysis



Product Identification		Chemical Structure
<b>Catalog number</b>	HB7228	
<b>Compound name</b>	JF549 tetrazine	
<b>Chemical name</b>	3,6-Di-1-azetidiny-9-[[4-[(1,2,4,5-tetrazin-3-yl)benzyl]carbamoyl]-2-carboxyphenyl]xanthylum, inner salt	
<b>Batch number</b>	E1620-3-6	
<b>Batch molecular formula</b>	C <sub>36</sub> H <sub>29</sub> N <sub>7</sub> O <sub>4</sub>	
<b>Batch molecular weight</b>	623.67	
Method	QC requirement	QC Result
<b>HPLC</b>	Reverse Phase HPLC shows >95% purity	Meets specification: 98.6%
<b>NMR</b>	<sup>1</sup> H NMR in CDCl <sub>3</sub> at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray positive analysis consistent with structure	Meets specification
<b>Physical appearance</b>	Purple solid film	Meets specification: Purple solid
<b>Solubility</b>	Soluble in DMSO	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

27/09/2022

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