

# Certificate of Analysis



Product Identification		Chemical Structure
<b>Catalog number</b>	HB4887	
<b>Compound name</b>	Salvinatorin B	
<b>Chemical name</b>	(2S,4aR,6aR,7R,9S,10aS,10bR)-2-(3-Furanyl)dodecahydro-9-hydroxy-6a,10b-dimethyl-4,10-dioxo-2H-naphtho[2,1-c]pyran-7-carboxylic acid methyl ester	
<b>Batch number</b>	E1610-4-4	
<b>Batch molecular formula</b>	C <sub>21</sub> H <sub>26</sub> O <sub>7</sub> ·0.8H <sub>2</sub> O	
<b>Batch molecular weight</b>	404.84	
Method	QC requirement	QC Result
<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
<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>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>TLC</b>	TLC analysis in 50% EtOAc/hexane + a drop of NEt <sub>3</sub> shows one spot under PMA	Meets specification: R <sub>f</sub> =0.2
<b>Physical appearance</b>	White to off-white solid	Meets specification: White solid
<b>Solubility</b>	Soluble in DMSO (20 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

11-08-21

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