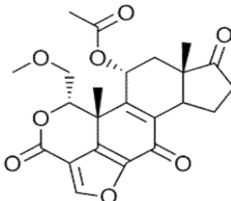


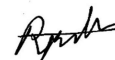
# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB2778	
Compound name	Wortmannin	
Chemical name	(1S,6bR,9aS,11R,11bR) 11-(Acetyloxy)-1,6b,7,8,9a,10,11,11 b-octahydro-1-(methoxymethyl)-9a,11b-dimethyl-3H-furo[4,3,2-de]indeno[4,5,-h]-2-h]-2-benzopyran-3,6, 9-trione	
Batch number	E1575-1-1	
Batch molecular formula	C <sub>23</sub> H <sub>24</sub> O <sub>8</sub>	
Batch molecular weight	428.44	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >99% purity	Meets specification: 99.0%
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis shows one spot under uv	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO, and in ethanol	Meets specification

Produced by

Signature



Passed by

Signature



Date

04-05-21

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