

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1133	
Compound name	KB-R7943	
Chemical name	2-[2-[4-(4-Nitrobenzyloxy)phenyl]ethyl]isothioureamesylate	
Batch number	E1921-1-1	
Batch molecular formula	C ₁₇ H ₂₁ N ₃ O ₆ S ₂	
Batch molecular weight	427.49	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis shows molecular ion	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (100 mM)	Meets specification
Biological validation		

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

28-03-22

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