

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB7601	
Compound name	KC 159	
Chemical name	4-(5-((2,6-dichlorophenyl)methyl)sulfanyl)-1,3,4-thiadiazol-2-yl)benzoic acid	
Batch number	E2337-6-16	
Batch molecular formula	C ₁₆ H ₁₀ Cl ₂ N ₂ O ₂ S ₂	
Batch molecular weight	397.29	

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 negative analysis consistent with structure	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

Produced by

Signature

Passed by

Signature

Date

27/10/2023

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