

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB8740	
Compound name	Dooku 1	
Chemical name	2-((2,6-Dichlorobenzyl)thio)-5-(1H-pyrrol-2-yl)-1,3,4-oxadiazole	
Batch number	E2313-1-2	
Batch molecular formula	C <sub>13</sub> H <sub>9</sub> Cl <sub>2</sub> N <sub>3</sub> OS	
Batch molecular weight	326.20	

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.8%
NMR	<sup>1</sup> H NMR in MeOD at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 25% EtOAc/hexane shows one spot under uv	Meets specification: R <sub>f</sub> =0.25
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

02/10/2023

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