

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB2312	
Compound name	AM 281	
Chemical name	1-(2,4-Dichlorophenyl)-5-(4-iodophenyl)-4-methyl-N-4-morpholinyl-1H-pyrazole-3-carboxamide	
Batch number	E0792-1-4	
Batch molecular formula	C <sub>21</sub> H <sub>19</sub> Cl <sub>2</sub> I N <sub>4</sub> O <sub>2</sub>	
Batch molecular weight	557.22	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	<sup>1</sup> H NMR in CDCl <sub>3</sub> 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 50% EtOAc/hexane shows one spot under uv	Meets specification: R <sub>f</sub> =0.3
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (50 mM, with warming)	Meets specification
Biological validation		

Produced by

Signature

Passed by

Signature

Date

25-05-18

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