

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB3412	
Compound name	Purmorphamine	
Chemical name	9-Cyclohexyl-N-[4-(4-morpholinyl)phenyl]-2-(1-naphthalenyloxy)-9H-purin-6-amine	
Batch number	E2044-1-1	
Batch molecular formula	C ₃₁ H ₃₂ N ₆ O ₂	
Batch molecular weight	520.63	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 98.9%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
TLC	TLC analysis in 10% MeOH/DCM shows one spot under ninhydrin	Meets specification: R _f =0.3
Physical appearance	White to off-white solid	Meets specification: Off-white solid
Solubility	Soluble in DMSO (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

04/11/2022

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