

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1245	
Compound name	Dynasore	
Chemical name	3-Hydroxynaphthalene-2-carboxylic acid (3,4-dihydroxybenzylidene)hydrazide	
Batch number		
Batch molecular formula	$C_{18}H_{14}N_2O_4 \cdot 1.1H_2O$	
Batch molecular weight	342.14	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.2%
NMR	<sup>1</sup> H NMR in DMSO 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 20% MeOH/EtOAc shows one spot under uv	Meets specification: R <sub>f</sub> =0.7
Physical appearance	Yellow to cream solid	Meets specification: Cream solid
Solubility	Soluble in DMSO (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

10-09-19

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