

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB2592	
Compound name	EC-23	
Chemical name	4-[2-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)ethynyl]benzoic acid	
Batch number	E1577-1-1	
Batch molecular formula	C <sub>23</sub> H <sub>24</sub> O <sub>2</sub> ·1.25H <sub>2</sub> O	
Batch molecular weight	354.96	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 98.0%
NMR	<sup>1</sup> H NMR in DMSO at 300 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
TLC	TLC analysis in 10% MeOH/DCM shows one spot under uv	Meets specification: R <sub>f</sub> =0.44
Physical appearance	Pale yellow to yellow solid	Meets specification: Yellow solid
Solubility	Soluble in DMSO (50 mM) and in ethanol (10 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

05-05-21

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