

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB3717	
Compound name	2,5-Dimethyl-celecoxib	
Chemical name	4-[5-(2,5-dimethylphenyl)-3-(trifluoromethyl)pyrazol-1-yl]benzenesulfonamide	
Batch number	E1887-1-1	
Batch molecular formula	C ₁₈ H ₁₆ F ₃ N ₃ O ₂ S	
Batch molecular weight	395.40	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis shows molecular ion	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (100 mM)	Meets specification

Produced by
Richard Patterson

Signature

Passed by
Steve Roome

Signature

Date

07-03-22

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