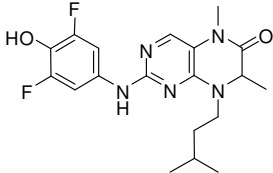




Certificate of Analysis

Axon Catalogue ID:	1528	Batch Number:	3																								
Product Name:	BI-D 1870																										
Alternative Name(s):	N.A.																										
IUPAC Name:	2-(3,5-Difluoro-4-hydroxy-phenylamino)-5,7-dimethyl-8-(3-methyl-butyl)-7,8-dihydro-5H-pteridin-6-one																										
Structure:		Amount:																									
CAS number(s):	501437-28-1																										
Molecular Formula:	C ₁₉ H ₂₃ F ₂ N ₅ O ₂	Molecular Weight:	391.42																								
Batch Molecular Formula:	C ₁₉ H ₂₃ F ₂ N ₅ O ₂	Batch Molecular Weight:	391.42																								
Appearance:	Off-white solid	Observed mp:	240 °C (decomp)																								
TLC (R_f):	0.3	EtOAc																									
Chemical Purity:	98.4%																										
Optical Purity (ee):	N.A.																										
¹H-NMR (300 MHz):	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 58.30, H 5.92, N 17.89; Found: C ND, H ND, N ND																										
Storage Conditions:	Store at +4 °C																										
Solubility Data:	<table><thead><tr><th>Solvent</th><th>Solubility (mg/ml)</th><th>Solubility (mM)</th><th>Remarks</th></tr></thead><tbody><tr><td>Water</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N NaOH (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N HCl (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>DMSO</td><td>39.1</td><td>>100 mM</td><td></td></tr><tr><td>EtOH</td><td></td><td></td><td>Not Tested</td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water			Not Tested	0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)			Not Tested	DMSO	39.1	>100 mM		EtOH			Not Tested		
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DMSO	39.1	>100 mM																									
EtOH			Not Tested																								
Remarks:	Suspected to be light sensitive; stock solution should be stored in a freezer at -20°C.																										
QC Date:	26-07-2018																										

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only