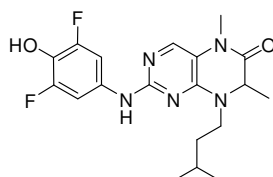




Certificate of Analysis

Axon Catalogue ID: 1528 **Batch Number:** 1
Product Name: BI-D1870
Alternative Name(s): N.A.
IUPAC Name: 2-(3,5-Difluoro-4-hydroxyphenylamino)-8-isopentyl-5,7-dimethyl-7,8-dihydropteridin-6(5H)-one

Structure:



Amount:

CAS number(s): 501437-28-1
Molecular Formula: C₁₉H₂₃F₂N₅O₂ **Molecular Weight:** 391.42
Batch Molecular Formula: C₁₉H₂₃F₂N₅O₂ **Batch Molecular Weight:** 391.42
Appearance: Off-white solid **Observed mp:** 241 °C (decomp)
TLC (R_f): 0.3 EtOAc
Chemical Purity: 99.1%
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:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	4.3	11.0	Requires warming up to 50 °C
	DMSO	39.1	>100 mM	Yields a pink solution
	EtOH	11.2	28.6	Requires warming up to 50 °C

Remarks: Suspected to be light sensitive; stock solution should be stored in freezer at -20 °C.

QC Date: 09-06-2010

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