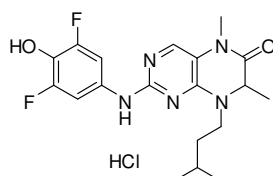




## Certificate of Analysis

**Axon Catalogue ID:** 1528 **Batch Number:** 5  
**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 hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 501437-28-1 (parent)  
**Molecular Formula:** C<sub>19</sub>H<sub>23</sub>F<sub>2</sub>N<sub>5</sub>O<sub>2</sub>.HCl **Molecular Weight:** 427.88  
**Batch Molecular Formula:** C<sub>19</sub>H<sub>23</sub>F<sub>2</sub>N<sub>5</sub>O<sub>2</sub>.HCl **Batch Molecular Weight:** 427.88  
**Appearance:** Off-white solid **Observed mp:** >228 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH (20:1)  
**Chemical Purity:** 98.5%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 53.33, H 5.65, N 16.37; Found: C 53.15, H 5.56, N 16.32  
**Storage Conditions:** Desiccate at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	42.8	>100 mM	
EtOH			Not Tested

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

**QC Date:** 12-04-2019

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**