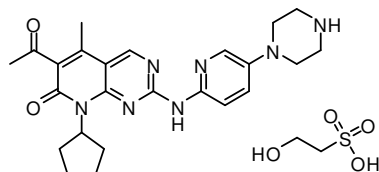




Certificate of Analysis

Axon Catalogue ID: 2052 **Batch Number:** 1
Product Name: PD 0332991 isethionate
Alternative Name(s): Palbociclib isethionate
IUPAC Name: 6-Acetyl-8-cyclopentyl-5-methyl-2-(5-(piperazin-1-yl)pyridin-2-ylamino)pyrido[2,3-d]pyrimidin-7(8H)-one 2-hydroxyethanesulfonate

Structure:



Amount:

CAS number(s): 571190-30-2 (parent), 827022-33-3 (isethionate (1:1))
Molecular Formula: C₂₄H₂₉N₇O₂.C₂H₆O₄S **Molecular Weight:** 573.66
Batch Molecular Formula: C₂₄H₂₉N₇O₂.C₂H₆O₄S **Batch Molecular Weight:** 573.66
Appearance: Yellow solid **Observed mp:** >270 °C
TLC (R_f): 0.1 DCM/MeOH (9:1)
Chemical Purity: 99.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 54.44, H 6.15, N 17.08; Found: C 54.58, H 6.19, N 17.24
Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	16.7	29.1	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	2.9	5.1	
	EtOH			Not Tested

Remarks:

QC Date: 20-05-2019

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only