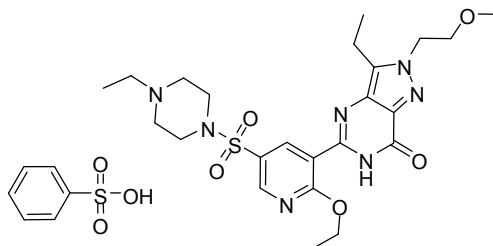


Certificate of Analysis

Axon Catalogue ID: 2218 **Batch Number:** 1
Product Name: Gisadenafil besylate
Alternative Name(s): UK 369003; PF 01224715
IUPAC Name: 5-(2-ethoxy-5-(4-ethylpiperazin-1-ylsulfonyl)pyridin-3-yl)-3-ethyl-2-(2-methoxyethyl)-2H-pyrazolo[4,3-d]pyrimidin-7(6H)-one benzenesulfonate

Structure:



Amount:

CAS number: 334827-98-4
Batch Molecular Formula: C₂₃H₃₃N₇O₅S.C₆H₆O₃S **Batch MW:** 677.79
Appearance: White solid **Observed mp:** 240 - 242 °C
TLC (R_f): 0.6 DCM/MeOH (9:1)
Chemical Purity: 99.7%
Optical Purity (ee):
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 51.39 , H 5.80 , N 14.47 Found: C 51.40 , H 5.86 , N 14.66
Storage Conditions: Desiccate at +4°C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	9.0	13.3	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	62.0	91.5	
	EtOH			Not Tested

Remarks:

QC Date: 16-12-2013

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