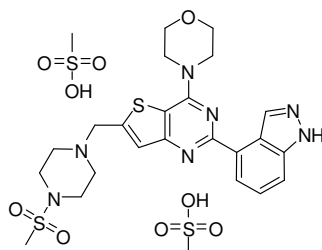




Certificate of Analysis

Axon Catalogue ID: 1377 **Batch Number:** 6
Product Name: GDC 0941 bismesylate
Alternative Name(s): N.A.
IUPAC Name: 2-(1H-Indazol-4-yl)-6-(4-methanesulfonyl-piperazin-1-ylmethyl)-4-morpholin-4-yl-thieno[3,2-d]pyrimidine bismesylate

Structure:



Amount:

CAS number(s): 957054-30-7 (parent), 957054-33-0 (mesylate (1:2))
Molecular Formula: C₂₃H₂₇N₇O₃S₂.2CH₄O₃S **Molecular Weight:** 705.85
Batch Molecular Formula: C₂₃H₂₇N₇O₃S₂.2CH₄O₃S.0.25H₂O **Batch Molecular Weight:** 710.35
Appearance: White solid **Observed mp:** 280 - 282 °C
TLC (R_f): 0.55 DCM/MeOH (9:1)
Chemical Purity: 100%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 42.27, H 5.04, N 13.80; Found: C 41.96, H 5.00, N 13.60
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	40.0	56.3	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	15.3	21.5	
	EtOH			Not Tested

Remarks:

QC Date: 13-06-2018

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