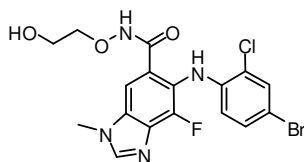




Certificate of Analysis

Axon Catalogue ID: 1516 **Batch Number:** 2
Product Name: AZD 6244
Alternative Name(s): ARRY 142886; Selumetinib
IUPAC Name: 6-(4-Bromo-2-chloro-phenylamino)-7-fluoro-3-methyl-3H-benzimidazole-5-carboxylic acid (2-hydroxy-ethoxy)-amide

Structure:



Amount:

CAS number: 606143-52-6 **MW:** 457.69
Batch Molecular Formula: C₁₇H₁₅BrClFN₄O₃ **Batch MW:** 457.69
Appearance: White solid **Observed mp:** 221 - 224 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 98.7%

Optical Purity (ee):

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Not available

Storage Conditions: Store at -20 °C

Solubility Data:	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	24.0	52.4	Soluble
	EtOH			Not Tested

Remarks: Thermally unstable; Store the solid material and/or prepared stock solution(s) at -20 °C or below.

QC Date: 23-06-2010

The purity of Axon products 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 Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only