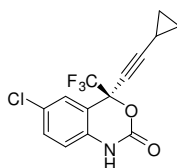




Certificate of Analysis

Axon Catalogue ID: 3125 **Batch Number:** 1
Product Name: Efavirenz
Alternative Name(s): DMP-266; L-743,726
IUPAC Name: (S)-6-Chloro-4-(cyclopropylethynyl)-4-(trifluoromethyl)-1H-benzo[d][1,3]oxazin-2(4H)-one

Structure:



Amount:

CAS number(s): 154598-52-4
Molecular Formula: C₁₄H₉ClF₃N₂O **Molecular Weight:** 315.67
Batch Molecular Formula: C₁₄H₉ClF₃N₂O·0.5H₂O **Batch Molecular Weight:** 324.68
Appearance: White solid **Observed mp:** 137 °C (decomp)
TLC (R_f): 0.56 DCM/MeOH (9:1)
Chemical Purity: 99.8%
Optical Purity (ee): Optically pure
Optical Rotation (Det.): [α]_D = -79.9° with c = 0.5 in CHCl₃
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 51.79, H 3.10, N 4.31; Found: C 51.93, H 2.90, N 4.27
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	
0.1N NaOH (aq)			Not Tested	
0.1N HCl (aq)			Not Tested	
DMSO	32.5	>100 mM		
EtOH			Not Tested	

Remarks: Electrostatic.

QC Date: 18-6-2020

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