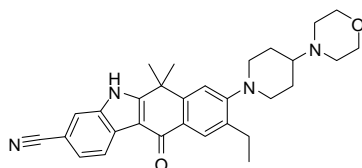




Certificate of Analysis

Axon Catalogue ID: 1884 **Batch Number:** 1
Product Name: CH 5424802
Alternative Name(s): N.A.
IUPAC Name: 9-Ethyl-6,6-dimethyl-8-(4-morpholinopiperidin-1-yl)-11-oxo-6,11-dihydro-5H-benzo[b]carbazole-3-carbonitrile

Structure:



Amount:

CAS number: 1256580-46-7
Batch Molecular Formula: C₃₀H₃₄N₄O₂·2H₂O **Batch MW:** 518.64
Appearance: White Solid **Observed m.p.:** >250 (Dec.)°C
TLC (R_f): 0.75 9:1 DCM/Methanol
Chemical Purity: >99.5% **Wavelength for purity check:** 234 nm
Optical Purity (ee):
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: C, H, and N fit within 0,4% of theoretical calculation

Storage Conditions: Desiccate at <4°C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	1eq. NaOH			Not Tested
	1eq. HCl			Not Tested
	DMSO	4	7	low solubility; * warming is helpful
	EtOH			Not Tested

Remarks: Slight warming of the solution to approximately 40°C in a ultrasonic bath helps to dissolve the material.

Quality controller: M. Brandsma, MSc. **Date:** 7/5/2012

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