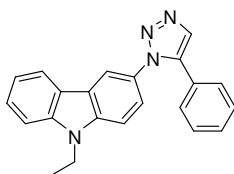




Certificate of Analysis

Axon Catalogue ID: 2777 **Batch Number:** 1
Product Name: MBQ-167
Alternative Name(s): N.A.
IUPAC Name: 9-Ethyl-3-(5-phenyl-1H-1,2,3-triazol-1-yl)-9H-carbazole

Structure:



Amount:

CAS number(s): 2097938-73-1
Molecular Formula: C₂₂H₁₈N₄ **Molecular Weight:** 338.41
Batch Molecular Formula: C₂₂H₁₈N₄·0.25H₂O **Batch Molecular Weight:** 342.91
Appearance: Off-white solid **Observed mp:** 144.6 - 146.4 °C
TLC (R_f): 0.3 Hex/EtOAc (4:1)
Chemical Purity: 98.8%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 77.06, H 5.44, N 16.34; Found: C 77.32, H 5.18, N 16.48
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	22.0	64.2	
	EtOH			Not Tested

Remarks:

QC Date: 04-05-2018

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