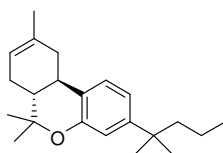




Certificate of Analysis

Axon Catalogue ID: 1418 **Batch Number:** 2
Product Name: JWH 133
Alternative Name(s): N.A.
IUPAC Name: (6aR,10aR)-6,6,9-Trimethyl-3-(2-methylpentan-2-yl)-6a,7,10,10a-tetrahydro-6H-benzo[c]chromene

Structure:



Amount:

CAS number(s): 259869-55-1
Molecular Formula: C₂₂H₃₂O **Molecular Weight:** 312.49
Batch Molecular Formula: C₂₂H₃₂O **Batch Molecular Weight:** 312.49
Appearance: White solid **Observed mp:** ND
TLC (R_f): 0.45 n-Hexane
Chemical Purity: 96.1%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 84.56, H 10.32, N -; Found: C 84.62, H 10.64, N -
Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	8.9	28.5	
	EtOH	13.9	44.5	

Remarks: The material is a solid at lower temperatures, at room temperature the material might exist in a more wax-like state.

QC Date: 27-11-2015

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