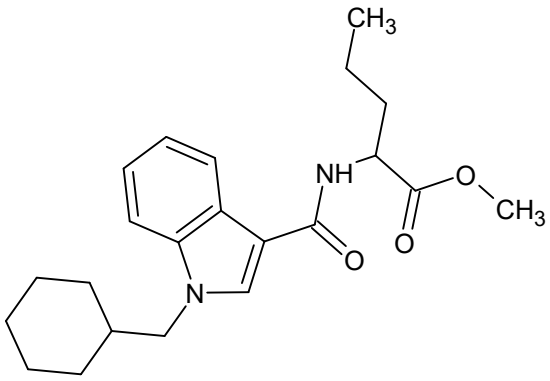
MEP-CHMICA

The Drug Enforcement Administration's Special Testing and Research Laboratory generated this monograph using structurally confirmed reference material.



1. GENERAL INFORMATION

IUPAC Name: methyl *N*-[1-(cyclohexylmethyl)-1*H*-indole-3-carbonyl]norvalinate

CAS#: NA

Synonyms: MMB-CHMICA isomer 1;
methyl-2-{[1-(cyclohexylmethyl)-1*H*-indole-3-carbonyl]amino}pentanoate

Source: DEA Reference Material Collection

Appearance: White powder

UV_{max}(nm): Not determined

2. CHEMICAL AND PHYSICAL DATA

2.1 CHEMICAL DATA

Form	Chemical Formula	Molecular Weight	Melting Point (^{o}C)
Base	$C_{22}H_{30}N_2O_3$	370.49	141.16

3. QUALITATIVE DATA

3.1 NUCLEAR MAGNETIC RESONANCE

Sample Preparation: Dilute analyte to ~15.6 mg/mL in DMSO-d_6 containing TMS for 0 ppm reference and dimethylsulfone as quantitative internal standard.

Instrument: 400 MHz NMR spectrometer
Parameters: Spectral width: at least containing -3 ppm through 13 ppm
Pulse angle: 90°
Delay between pulses: 45 seconds

^{1}HNMR: MEP-CHMICA; Lot # 0506714-8; DMSO-d_6 ; 400MHz