

Eszopiclone (Cas No 138729-47-2)

Molecular Structure Eszopiclone

4-Methyl-1-piperazinecarboxylic acid 6-(5-chloro-2-pyridinyl)-6,7-dihydro-7-oxo-5H-pyrrolo[3,4-b]pyrazin-5-yl ester,

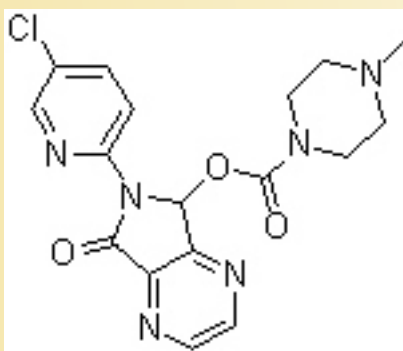
CAS NO: 138729-47-2

Molecular Formula C₁₇H₁₇ClN₆O₃

Molecular Weight 388.81

CAS Registry Number 138729-47-2

4-Methyl-1-piperazinecarboxylic acid
6-(5-chloro-2-pyridinyl)-6,7-dihydro-
7-oxo-5H-pyrrolo[3,4-b]pyrazin-5-yl ester



Systematic (IUPAC) name

(5S)-6-(5-Chloro-2-pyridinyl)-7-oxo-

6,7-dihydro-5H-pyrrolo[3,4-b]pyrazin -5-yl 4-methyl-1-piperazinecarboxylate

Chemical data

Formula C₁₇H₁₇ClN₆O₃ Mol. mass 388.808 g/mol

SMILES eMolecules & PubChem

Pharmacokinetic data

Bioavailability ?

Protein binding 52-59%

Metabolism Hepatic oxidation and demethylation (CYP3A4 and CYP2E1-mediated)

Half life 6 hours

Excretion Renal

Molecular Structure Eszopiclone, 4-Methyl-1-piperazinecarboxylic acid 6-(5-chloro-2-pyridinyl)-6,7-dihydro-7-oxo-5H-pyrrolo[3,4-b]pyrazin-5-yl ester,

CAS NO: 138729-47-2

Molecular Formula C₁₇H₁₇ClN₆O₃