



SYNCHEMIA RESEARCH CHEMICAL

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CERTIFICATE OF ANALYSIS

Product Name	: N-Carbamoyl Amoxapine (USP)
CAS NO	: 2835304-63-5
Batch No	: NA
Date of Analysis	: NA
Retest Date	: NA
Structure	: <p>The chemical structure of N-Carbamoyl Amoxapine (USP) is shown. It features a central benzimidazole ring system. One nitrogen atom of the benzimidazole is substituted with a piperazine ring. The other nitrogen atom is substituted with a 2-(4-chlorophenoxy)phenyl group. The 2-position of the benzimidazole ring is substituted with a carbamoyl group (-NH-C(=O)-O-), which is further linked to a 4-chlorophenyl ring. The chlorine atoms are highlighted in green, and the nitrogen and oxygen atoms are highlighted in blue and red, respectively.</p>
Chemical Name	: 4-(2-Chlorodibenzo[b,f][1,4]oxazepin-11-yl)-N-[2-(4-chlorophenoxy)phenyl]piperazine-1-carboxamide

Molecular Formula : C30H24Cl2N4O3		
Molecular Weight : 559.4g/mole		
Sr. No.	Test	Result
1)	Description	NA
2)	Solubility	DMSO,METHANOL
3)	Identification 1.Mass 2.1H NMR 3.IR	Confirm to structure Confirm to structure Confirm to structure
4)	Purity by HPLC	NA
Long Term Storage Condition 2–8 degrees Celsius		

Prepared and Reviewed By



Ms Ashwini Gaikwad
(QC DEPARTMENT)

Approved By



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(QA DEPARTMENT)



Note: This is only for Analytical testing purpose, not for Human or Animal Consumption