



## Certificate of Analysis

Certificate No.: 20240618019

Date: June 18, 2024

Retest date: June 17, 2027

<b>Compound Name:</b>	<b>Clonixin Impurity 4</b>	
<b>Synonyms:</b>	<i>N</i> -(3-chloro-2-methylphenyl)-2-oxo-1,2-dihydropyridine-3-carboxamide	
<b>TLC Catalogue Number:</b>	C-567	
<b>CAS Number:</b>	72646-00-5	
<b>Molecular Weight:</b>	262.69	
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>11</sub> ClN <sub>2</sub> O <sub>2</sub>	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	3930-069A2	
<b>Storage Conditions:</b>	Store at 2-8 °C	
<b>Solubility:</b>	DMSO	

Test Description	Specifications	Results
<b>Visual Description</b>	White to off-white solid	<b>Conforms</b>
<b>Identification</b>		
<b>IR</b>	Conforms to structure	<b>Conforms</b>
<b>MS</b>	Conforms to structure	<b>Conforms</b>
<b><sup>1</sup>H NMR</b>	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.9%</b>
<b>Impurity (HPLC)</b>	N/A	
<b>Water Content (KF)</b>	N/A	<b>0.1%</b>
<b>Residual Solvents (NMR)</b>	0.1% dimethylformamide	
<b>Assay (%)</b>	Not less than 90.0%	<b>99.7%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/19/2024
Approved by:	Quality Assurance		06/19/2024

Attachments: HPLC, IR, MS and NMR spectra.