

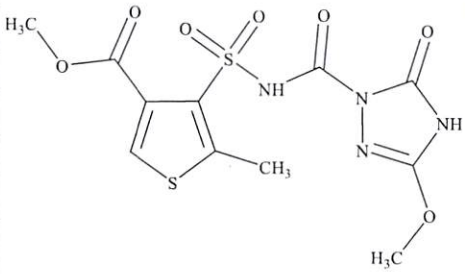
# Certificate of Analysis

 Certificate No.: **20260622006**


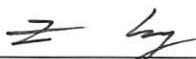
Date: June 22, 2026

Retest date: June 17, 2029

<b>Compound Name:</b> Thiencarbazone-Methyl Metabolite M07	
<b>Synonyms:</b>	methyl 4-( <i>N</i> -(3-methoxy-5-oxo-4,5-dihydro-1 <i>H</i> -1,2,4-triazole-1-carbonyl)sulfamoyl)-5-methylthiophene-3-carboxylate
<b>TLC Catalogue Number:</b>	T-495002
<b>CAS Number:</b>	N/A
<b>Alternate CAS Number:</b>	N/A
<b>Molecular Weight:</b>	376.36
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>12</sub> N <sub>4</sub> O <sub>7</sub> S <sub>2</sub>
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	7494-012A6
<b>Storage Conditions:</b>	Store at -20 °C
<b>Solubility:</b>	Methanol, DMSO



Test Description	Specifications	Results
<b>Visual Description</b>	White to off-white solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.8%</b>
<b>Impurity (HPLC)</b>	RT 7.63, 0.11%	
<b>Water Content (KF)</b>	N/A	<b>0.2%</b>
<b>Residual Solvents (NMR)</b>	0.1% methanol, 0.3% isopropyl ether and 0.8% dichloromethane	
<b>Assay (%)</b>	Not less than 90.0%	<b>98.4%</b>
<b>Recommendation:</b>	<b>Release.</b> The compound contains 0.1% Thiencarbazone-Methyl (RT 7.63, TLC No. T-495005) according to its HPLC.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/22/2026
Approved by:	Quality Assurance		06/22/2026

**Attachments:** Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.