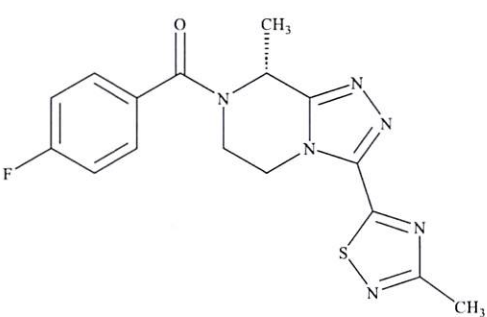


## Certificate of Analysis



Certificate No.: **20250619002**

Date: June 19, 2025

Retest date: June 6, 2028

<b>Compound Name:</b>	<b>Fezolinetant</b>	
<b>Synonyms:</b>	(R)-(4-fluorophenyl)(8-methyl-3-(3-methyl-1,2,4-thiadiazol-5-yl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)methanone	
<b>TLC Catalogue Number:</b>	F-240001	
<b>CAS Number:</b>	1629229-37-3	
<b>Alternate CAS Number:</b>	N/A	
<b>Molecular Weight:</b>	358.40	
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>15</sub> FN <sub>6</sub> OS	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	6903-043A2	
<b>Storage Conditions:</b>	Store at 2-8 °C	
<b>Solubility:</b>	Methanol, DMSO, Acetonitrile, Ethanol	

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>99.9%</b>
<b>Impurity (HPLC)</b>	N/A	
<b>Purity (Chiral HPLC)</b>	Not less than 98.0%	<b>100.0%</b>
<b>Water Content (KF)</b>	N/A	<b>0.1%</b>
<b>Residue (TGA at 900 °C)</b>	N/A	<b>0.1%</b>
<b>Optical Rotation</b>	N/A	$[\alpha]_D^{25.0}(c=0.75, \text{CHCl}_3)$ : <b>+52.9°</b>
<b>Residual Solvents (NMR)</b>	0.5% acetonitrile	
<b>Assay (%)</b>	Not less than 90.0%	<b>99.2%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/19/2025
Approved by:	Quality Assurance		06/19/2025

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