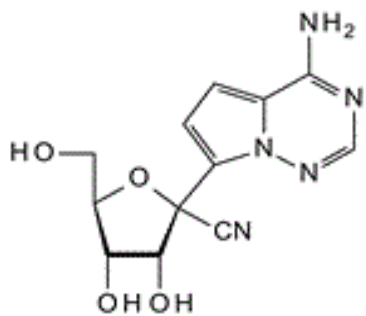


## CERTIFICATE OF ANALYSIS

<b>Chemical Name</b>	<b>2-C-(4-AMINOPYRROLO[2,1-F][1,2,4]TRIAZIN-7-YL)-2,5-ANHYDRO-3,4-O-(1-METHYLETHYLIDENE)-D-ALTRONONITRI</b>	
<b>Product Name</b>	GS-441524	<b>Structure</b>  
<b>Batch No.</b>	20231121	
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub>	
<b>Molecular Weight</b>	291.27	
<b>CAS No.</b>	1191237-69-0	
<b>Quantity</b>	13.5KG	
<b>Package</b>	200G/bag	
<b>Manufacturing Date</b>	November 21, 2023	
<b>Retest Date</b>	November 20, 2025	
<b>Analytical results</b>		
<b>Items</b>	<b>Specifications</b>	<b>Results</b>
<b>Appearance</b>	White or off-white to yellow powder	Conforms
<b>Related substances</b>	Purity of HPLC≥99.00%	99.62%
	Any individual impurity≤0.30%	0.19%
	Total impurities≤1.0%	0.38%
<b>Residual solvents</b>	Ethanol≤5000ppm	764ppm
	Methanol≤3000ppm	221ppm
<b>Water</b>	≤0.50%	0.11%
<b>Loss on drying</b>	≤0.50%	0.27%
<b>Residue on ignition</b>	≤0.50%	0.06%
<b>Assay by HPLC</b>	98.00%~102.00%	99.42%
<b>Storage Condition</b>	Normal temperature, Drying environment, Avoid light	
<b>Conclusion</b>	The product complies as per above specification.	

Inspector: Carlifor Wu

Verifier: Jack He

