



## CERTIFICATE OF ANALYSIS

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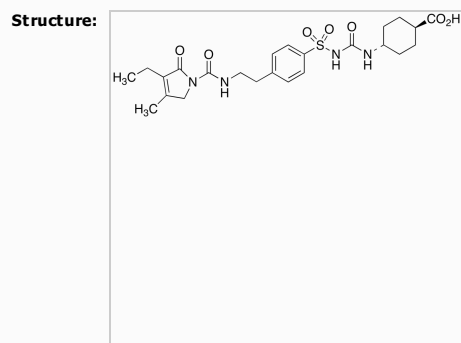
### 1. Identification

**Catalogue Number:** C178445

**CAS Number:** 127554-90-9

**Product:** trans-Carboxy Glimepiride

**Synonym:** trans-4-[[[4-[2-[[[3-Ethyl-2,5-dihydro-4-methyl-2-oxo-1H-pyrrol-1-yl]carbonyl]amino]ethyl]phenyl]sulfonyl]amino]carbonyl]amino]cyclohexanecarboxylic Acid;



**Molecular Formula:**

C<sub>24</sub>H<sub>32</sub>N<sub>4</sub>O<sub>7</sub>S

**Molecular weight:**

520.6

**Source of Product:**

Synthetic

**Solubility:**

DMSO (Slightly), Ethyl Acetate  
(Heated, Sonicated), Methanol  
(Sparingly)

**Lot Number:** 16-AZC-164-1

**Purity:** 98%

**Shipping Condition:** This Product Is Stable To Be  
Shipped At Room Temperature

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Beige Solid	Pale Beige Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 53.17, %H: 6.48, %N: 10.22
HPLC Purity	>95%	97.12% (230 nm)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	0.0° (c = 0.2, DMSO)
Water Content	Report Result	~4.0% based on Elemental Analysis

**Additional Information:**

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

**Reviewed By**  
Evan Burns

**Reviewed By**  
Toni Rantanen

**C of A Approved By**  
Chanell Chu

**Test Date**  
5/21/2021

**Retest Date**  
5/19/2028

Evan Burns

