



CERTIFICATE OF ANALYSIS

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1. Identification

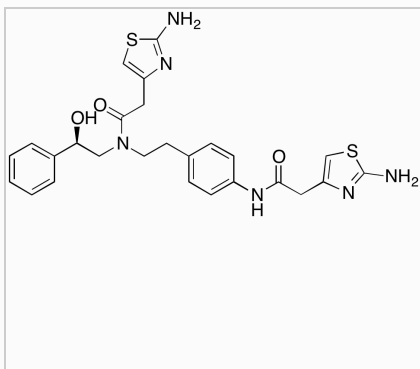
Catalogue Number: A630530

CAS Number: 1684452-83-2

Product: N-(2-Amino-4-thiazolyl)acetyl
Mirabegron

Synonym: (R)-2-(2-Aminothiazol-4-yl)-N-(4-(2-(2-aminothiazol-4-yl)acetamido)phenethyl)-N-(2-hydroxy-2-phenylethyl)acetamide; Mirabegron Impurity 4

Structure:



Molecular Formula:

C₂₆H₂₈N₆O₃S₂

Molecular weight:

536.67

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 23-QFY-142-1

Purity: 95%

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 | Off-White Solid | Off-White Solid |
| NMR | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 57.92, %H: 5.46, %N: 14.40 |
| MS | Conforms to Structure | Conforms |
| HPLC Purity | Report Result | 95.20% (250 nm) |

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 | Reviewed By | C of A Approved By | Test Date | Retest Date |
|--------------|---------------|--------------------|-----------|-------------|
| Sarbjee Kaur | Toni Rantanen | Chanell Chu | 2/12/2024 | 2/10/2028 |