



CERTIFICATE OF ANALYSIS

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1. Identification

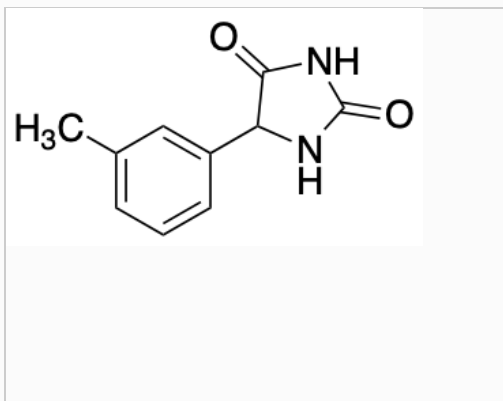
Catalogue Number: M259756

CAS Number: 187978-79-6

Product: 5-(3-Methylphenyl)imidazolidine-2,4-dione

Synonym: 5-(3-Methylphenyl)-2,4-imidazolidinedione;

Structure:



Molecular Formula:

C₁₀H₁₀N₂O₂

Molecular weight:

190.2

Source of Product:

Synthetic

Solubility:

DMSO (Slightly, Sonicated, Heated), Methanol (Slightly, Sonicated)

Lot Number: 18-NSR-127-2

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 | Pale Yellow to Pale Beige Solid | Pale Yellow to Pale Beige Solid |
| NMR | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 62.99, %H: 5.39, %N: 14.79 |
| MS | Conforms to Structure | Conforms |
| HPLC Purity | Report Result | 97.02% (210 nm) |
| Specific Rotation | Report Result | 0.0° (c = 0.1, DMSO) |

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 |
|-------------|---------------|--------------------|-----------|-------------|
| Neha Khanna | Toni Rantanen | Chanell Chu | 7/26/2021 | 7/24/2025 |