

Certificate of Analysis

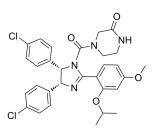
Nutlin-3b

| Cat. No.: | HY-15335 |
|----------------|-----------------------------------------------------------------------------------------------|
| CAS No.: | 675576-97-3 |
| Batch No.: | 134567 |
| Chemical Name: | 2-Piperazinone, 4-[[(4R,5S)-4,5-bis(4-chlorophenyl)-4,5-dihydro-2-[4-methoxy-2-(1-methylethox |
| | y)phenyl]-1H-imidazol-1-yl]carbonyl]- |

PHYSICAL AND CHEMICAL PROPERTIES

| Molecular Formula: | C ₃₀ H ₃₀ Cl ₂ N ₄ O ₄ | | |
|--------------------|-------------------------------------------------------------------------------|-------|---------|
| Molecular Weight: | 581.49 | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 2 years |
| | | -20°C | 1 year |

Chemical Structure:



ANALYTICAL DATA

| Appearance: | Off-white to yellow (Solid) |
|------------------------------|-------------------------------------------------------------------------|
| ¹ H NMR Spectrum: | Consistent with structure |
| LCMS: | Consistent with structure |
| Enantiomeric Excess: | 100.00% |
| Purity (LCMS): | 99.16% |
| Conclusion: | The product has been tested and complies with the given specifications. |
| | |

Caution: Product has not been fully validated for medical applications. For research use only.

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