

## **Certificate of Analysis**

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 Product Name
 : Nutlin-3a

 Cat. No.
 : PC-42100

 CAS No.
 : 675576-98-4

 Batch No.
 : PC-4210001

Chemical Name : 2-Piperazinone, 4-[[(4S,5R)-4,5-bis(4-chlorophenyl)-4,5-dihydro-2-[4-methoxy-2-(1-

methylethoxy)phenyl]-1H-imidazol-1-yl]carbonyl]-

## **PHYSICAL AND CHEMICAL PROPERTIES**

 $\begin{array}{lll} \textbf{Molecular Weight} & : & 581.4896 \\ \textbf{Molecular Formula} & : & C_{30} H_{30} C I_2 N_4 O_4 \\ \end{array}$ 

Storage : Powder -20°C 12 Months

4°C 6 Months

In solvent -80°C 6 Months

-20°C 1 Month

Chemical Structure :

## **ANALYTICAL DATA**

Appearance: Solid powder¹H NMR Spectrum: Consistent withHPLC: Consistent withNP: Consistent with

Purity (HPLC and/or LCMS) : >98%

**Conclusion** : The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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