Inhibitors

Certificate of Analysis

STAT3-IN-20

Cat. No.: HY-155982 CAS No.: 2768427-54-7 Batch No.: 382455

Chemical Name: 1H-Benzimidazol-5-amine, 1-cyclopropyl-2-(4-fluorophenyl)-6-(4-methyl-1-piperazinyl)-N-[5-[4-(

trifluoromethyl)phenyl]-1,3,4-thiadiazol-2-yl]-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $\mathsf{C}_{30}\mathsf{H}_{27}\mathsf{F}_4\mathsf{N}_7\mathsf{S}$ **Molecular Weight:** 593.64

Storage: Powder -20°C 3 years

> $4^{\circ}C$ 2 years

In solvent -80°C 6 months

> -20°C 1 month

Chemical Structure:

ANALYTICAL DATA

Appearance: Light yellow to yellow (Solid) ¹H NMR Spectrum: Consistent with structure LCMS: Consistent with structure

Purity (HPLC): 99.83%

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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