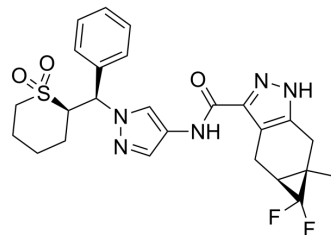


GNE-4997

| | |
|--------------------|---|
| Cat. No.: | HY-16984 |
| CAS No.: | 1705602-02-3 |
| Molecular Formula: | C ₂₅ H ₂₇ F ₂ N ₅ O ₃ S |
| Molecular Weight: | 515.58 |
| Target: | Itk |
| Pathway: | Protein Tyrosine Kinase/RTK |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|---|
| Description | GNE-4997 is a potent and selective interleukin-2-inducible T-cell kinase (ITK) inhibitor with a K _i of 0.09 nM, and the correlation between the basicity of solubilizing elements in GNE-4997 and off-target antiproliferative effects reduces cytotoxicity ^[1] . |
| IC ₅₀ & Target | Ki: 0.09 nM (ITK) ^[1] |
| In Vitro | GNE-4997 inhibits PLC-γ phosphorylation in Jurkat cells by T-cell receptor stimulation with an IC ₅₀ of 4 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Burch JD, et al. Tetrahydroindazoles as Interleukin-2 Inducible T-Cell Kinase Inhibitors. Part II. Second-Generation Analogues with Enhanced Potency, Selectivity, and Pharmacodynamic Modulation in Vivo. J Med Chem. 2015 May 14;58(9):3806-16.

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

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