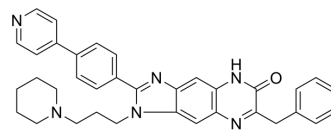


## CTA056

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-110113   |
| CAS No.:           | 1265822-30-7  |
| Molecular Formula: | C <sub>35</sub> H <sub>34</sub> N <sub>6</sub> O  |
| Molecular Weight:  | 554.68  |
| Target:            | Btk   |
| Pathway:           | Protein Tyrosine Kinase/RTK   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



## BIOLOGICAL ACTIVITY

### Description

CTA056 is an ITK (IL-2-inducible T-cell kinase) inhibitor with an IC<sub>50</sub> of 0.1 μM. CTA056 selectively targets malignant T cells and modulates oncomirs. CTA056 induces apoptosis and is a potential therapeutic agent for the research of T-cell leukemia and lymphoma<sup>[1]</sup>.

## REFERENCES

[1]. Guo W, et al. Molecular characteristics of CTA056, a novel interleukin-2-inducible T-cell kinase inhibitor that selectively targets malignant T cells and modulates oncomirs. *Mol Pharmacol.* 2012 Nov;82(5):938-47.

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

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