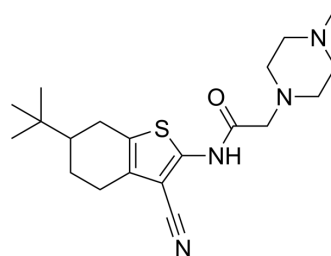


## EGFR-IN-105

Cat. No.:	HY-161320
CAS No.:	831244-98-5
Molecular Formula:	C <sub>20</sub> H <sub>30</sub> N <sub>4</sub> OS
Molecular Weight:	374.54
Target:	EGFR; Apoptosis
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	EGFR-IN-105 (Compound 5b) is an EGFR2 inhibitor with an IC <sub>50</sub> value of 0.68 μM. EGFR-IN-105 exhibits anticancer activity and can induce apoptosis in cancer cells, which is used in the research of pancreatic cancer <sup>[1]</sup> .
IC <sub>50</sub> & Target	ErbB2 0.68 μM

### REFERENCES

[1]. Rahman A, et al. Tetrahydrobenzothiophene derivatives ameliorate Mia PaCa-2 cell progression and induces apoptosis via inhibiting EGFR2 tyrosine kinase signal. Bioorg Chem. 2024 Feb;143:106968.

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

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