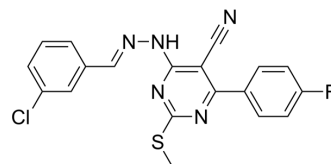


## EGFR WT/T790M-IN-2

<b>Cat. No.:</b>	HY-157994
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>13</sub> ClFN <sub>5</sub> S
<b>Molecular Weight:</b>	397.86
<b>Target:</b>	EGFR; Apoptosis
<b>Pathway:</b>	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	EGFR WT/T790M-IN-2 (Compound 7c) is a EGFR T790M/WT inhibitor with IC <sub>50</sub> values of 0.08 and 0.13 μM, respectively. EGFR WT/T790M-IN-2 induces apoptosis by blocking the G0-G1 phase (apoptosis). EGFR WT/T790M-IN-2 has antitumor activity <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	EGFR <sup>T790M</sup> 0.08 μM (IC <sub>50</sub> )	EGFR <sup>WT</sup> 0.13 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Reda N, et al. Novel Pyrimidine-5-Carbonitriles as potential apoptotic and antiproliferative agents by dual inhibition of EGFRWT/T790M and PI3k enzymes; Design, Synthesis, biological Evaluation, and docking studies. Bioorg Chem. 2024 Feb 9;145:107185.

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

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