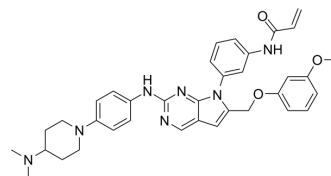


## EGFR-TK-IN-1

Cat. No.:	HY-157526
Molecular Formula:	C <sub>36</sub> H <sub>39</sub> N <sub>7</sub> O <sub>3</sub>
Molecular Weight:	617.74
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-TK-IN-1 (compound 7o) is a potent mutant EGFR inhibitor with IC<sub>50</sub> of 8.5 nM and 9.3 nM against EGFR<sup>L858R/T790M</sup> and EGFR<sup>Del19</sup>. EGFR-TK-IN-1 shows strong antiproliferative effects against EGFR mutant-driven non-small cell lung cancer (NSCLC) cells and induces cell apoptosis<sup>[1]</sup>.

### REFERENCES

[1]. Wang C, et al. Design, synthesis and biological evaluation of potent epidermal growth factor receptor tyrosine kinase (EGFR-TK) inhibitors against resistance mutation for lung cancer treatment. *Bioorg Chem.* 2023 Dec 6;143:107004.

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

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