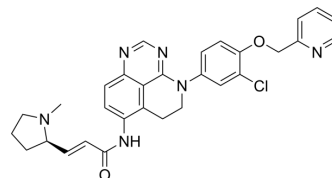


## HER2-IN-19

Cat. No.:	HY-163453
Molecular Formula:	C <sub>30</sub> H <sub>29</sub> ClN <sub>6</sub> O <sub>2</sub>
Molecular Weight:	541.04
Target:	EGFR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

HER2-IN-19 (Compound 10e) is a potent inhibitor of HER2 and EGFR with IC<sub>50</sub> values of 0.87 respectively and 3.5 nM. HER2-IN-19 has potent inhibitory activity against tumor cells, IC<sub>50</sub><sup>NCI-N87</sup> = 1.63 nM, IC<sub>50</sub><sup>BT474</sup> = 15.17 nM, IC<sub>50</sub><sup>BaF3-HER2YVMA</sup> = 1.49 nM<sup>[1]</sup>.

### REFERENCES

[1]. Yang L, et al. Discovery of Novel 5,6-Dihydro-4H-pyrido[2,3,4-de]quinazoline Irreversible Inhibitors Targeting Both Wild-Type and A775\_G776insYVMA Mutated HER2 Kinases. *J Med Chem.* 2024 Apr 11;67(7):5662-5682.

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

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