# Sacibertinib

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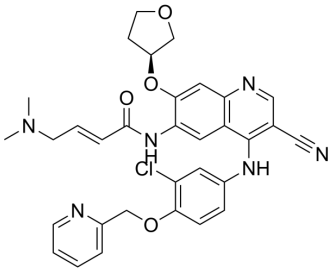
| **Cat. No.:** | HY-147303 |
| **CAS No.:** | 1351941-69-9 |
| **Molecular Formula:** | $C_{32}H_{31}ClN_6O_4$ |
| **Molecular Weight:** | 599.08 |
| **Target:** | EGFR; Trk Receptor |
| **Pathway:** | JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Neuronal Signaling |
| **Storage:** | Please store the product under the recommended conditions in the Certificate of Analysis. |



## BIOLOGICAL ACTIVITY

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| **Description** | Sacibertinib is a tyrosine kinase (Trk) inhibitor with $EC_{50}$ value of 110 nM and 244 nM for EGFR-TK phosphorylation and HER2 , respectively. Antineoplastic activity[1]. | |
| **$IC_{50}$ & Target** | EGFR-TK phosphorylation<br>110 nM (EC50) | HER2<br>244 nM (EC50) |
| **In Vitro** | Sacibertinib has inhibitory activity against Sk-Br-3, SW620 cells with $GI_{50}$s of 3.8 nM and 1.78 μM, and against CCRF-CEM/T, Fadu, BxPc-3 and AsPC-1 with $IC_{50}$s of 5.6 μM, 101 nM, 337 nM and 1 μM, respectively[1].<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. | |

## REFERENCES

[1]. International Nonproprietary Names for Pharmaceutical Substances (INN). WHO Drug Information, Vol. 36, No. 2, 2022.

[2]. Hesheng Zhang, et al. Cyanoquinoline derivatives. CA2802130A1 (Example 138)



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