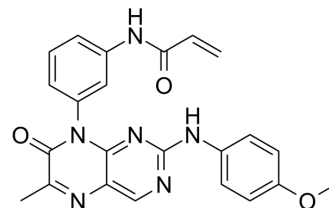


## EGFR-IN-40

<b>Cat. No.:</b>	HY-143901
<b>CAS No.:</b>	1466445-39-5
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>20</sub> N <sub>6</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	428.44
<b>Target:</b>	Btk; EGFR; Itk
<b>Pathway:</b>	Protein Tyrosine Kinase/RTK; JAK/STAT Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	EGFR-IN-40 (compound 3z) is a potent BTK, EGFR, and ITK inhibitor with IC <sub>50</sub> values of 1.2 nM, 5.3 nM, and 46.1 nM, respectively <sup>[1]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	BTK 1.2 nM (IC <sub>50</sub> )	EGFR 5.3 nM (IC <sub>50</sub> )	ITK 46.1 nM (IC <sub>50</sub> )

## REFERENCES

[1]. Dou Dou, et al. Discovery of Pteridine-7(8 H)-one Derivatives as Potent and Selective Inhibitors of Bruton's Tyrosine Kinase (BTK). J Med Chem. 2022 Feb 10;65(3):2694-2709.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA