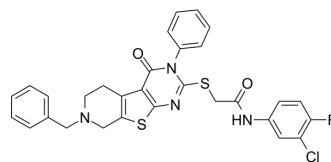


## EGFR/STAT3-IN-1

Cat. No.:	HY-161136
Molecular Formula:	C <sub>30</sub> H <sub>24</sub> ClFN <sub>4</sub> O <sub>2</sub> S <sub>2</sub>
Molecular Weight:	591.12
Target:	EGFR; STAT
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

EGFR/STAT3-IN-1 (Compound 5k) is a dual inhibitor of EGFR/STAT3 with IC<sub>50</sub> values for EGFR and STAT3 are 41 and 3.34 nM, respectively. EGFR/STAT3-IN-1 has antitumor activity<sup>[1]</sup>.

### REFERENCES

[1]. Elsebaie HA, et al. Development of new thieno[2,3-d]pyrimidines as dual EGFR and STAT3 inhibitors endowed with anticancer and pro-apoptotic activities. Bioorg Chem. 2024 Jan 4;143:107101.

**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