



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

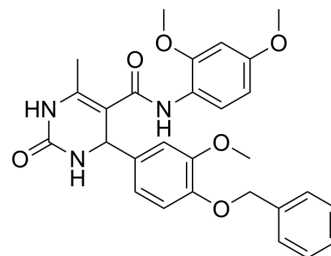
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

EGFR/HER2-IN-15

Cat. No.:	HY-162623
Molecular Formula:	C ₂₈ H ₂₉ N ₃ O ₆
Molecular Weight:	503.55
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	EGFR/HER2-IN-15, a dihydropyrimidine, is a potent EGFR/HER2 inhibitor. EGFR/HER2-IN-15 significantly inhibits EGFR ^{WT} activity with an IC ₅₀ of 37.21 nM. EGFR/HER2-IN-15 has anticancer effects ^[1] .
IC₅₀ & Target	EGFR (WT) 37.21 nM (IC ₅₀)
In Vitro	At a concentration of 1000 nM EGFR/HER2-IN-15 (compound 21) shows 98.51% and 96.79% inhibition of EGFR and HER2 expression ^[1] . EGFR/HER2-IN-15 inhibits MCF-7 breast cancer cells with an IC ₅₀ of 9.38 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Syed Faizanm, et al. Novel dihydropyrimidines as promising EGFR & HER2 inhibitors: Insights from experimental and computational studies. Eur J Med Chem. 2024 Jun 19:275:116607.

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