



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### 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

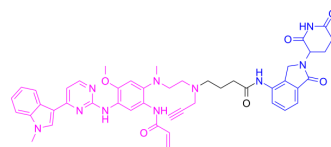
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## PROTAC EGFR degrader 7

Cat. No.:	HY-147858
Molecular Formula:	C <sub>46</sub> H <sub>48</sub> N <sub>10</sub> O <sub>6</sub>
Molecular Weight:	836.94
Target:	PROTACs; EGFR; Apoptosis
Pathway:	PROTAC; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 120 mg/mL (143.38 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.1948 mL	5.9741 mL	11.9483 mL
	5 mM	0.2390 mL	1.1948 mL	2.3897 mL
	10 mM	0.1195 mL	0.5974 mL	1.1948 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

PROTAC EGFR degrader 7 (compound 13b) is a potent and selective CRBN-recruiting PROTAC EGFR<sup>L858R/T790M</sup> degrader, with a DC<sub>50</sub> of 13.2 nM. PROTAC EGFR degrader 7 inhibits NCI-H1975 cells proliferation, with an IC<sub>50</sub> of 46.82 nM. PROTAC EGFR degrader 7 significantly induces apoptosis and G2/M phase arrest in NCI-H1975 cell. PROTAC EGFR degrader 7 shows antitumor activity, and can be used for non-small cell lung cancer (NSCLC) research<sup>[1]</sup>. PROTAC EGFR degrader 7 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

#### IC<sub>50</sub> & Target

EGFR<sup>L858R/T790M</sup>  
13.2 nM (DC50)

#### In Vivo

PROTAC EGFR degrader 7 (compound 13b) (BALB/c mice bearing NCI-H1975 cells, 10 mg/kg, IP, once a day for 24 days) effectively and selectively inhibits NCI-H1975 xenograft tumor growth, with the tumor growth inhibition (TGI%) of 63.7%<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

**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](mailto:tech@MedChemExpress.com)

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