



SZABO SCANDIC

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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

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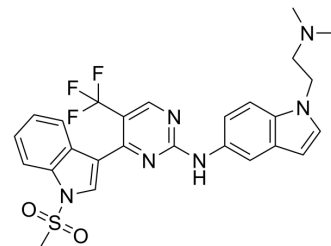
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EGFR mutant-IN-2

Cat. No.:	HY-155005		
CAS No.:	2770009-06-6		
Molecular Formula:	C ₂₇ H ₂₇ F ₃ N ₆ O ₂ S		
Molecular Weight:	556.6		
Target:	EGFR		
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (224.58 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.7966 mL	8.9831 mL	17.9662 mL
	5 mM		0.3593 mL	1.7966 mL	3.5932 mL
	10 mM		0.1797 mL	0.8983 mL	1.7966 mL

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

BIOLOGICAL ACTIVITY

Description

EGFR mutant-IN-2 (Compound D51) is an EGFR mutant inhibitor. EGFR mutant-IN-2 inhibits the EGFR^{L858R/T790M/C797S} mutant with an IC₅₀ value of 14 nM. EGFR mutant-IN-2 inhibits the EGFR^{del19/T790M/C797S} mutant with an IC₅₀ value of 62 nM. EGFR mutant-IN-2 has favorable PK parameters, safety properties, in vivo stability, and antitumor activity^[1].

REFERENCES

[1]. Dong H, et al. Discovery of Potent and Wild-Type-Sparing Fourth-Generation EGFR Inhibitors for Treatment of Osimertinib-Resistance NSCLC. J Med Chem. 2023 May 25;66(10):6849-6868.

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

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