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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

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

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

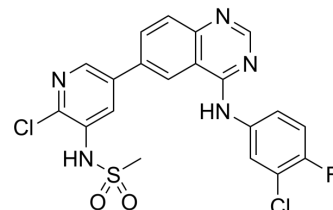
mail@szabo-scandic.com

www.szabo-scandic.com

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

MTX-211

Cat. No.:	HY-107364		
CAS No.:	1952236-05-3		
Molecular Formula:	C ₂₀ H ₁₄ Cl ₂ FN ₅ O ₂ S		
Molecular Weight:	478.33		
Target:	EGFR; PI3K		
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (26.13 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.0906 mL	10.4530 mL	20.9061 mL
		5 mM		0.4181 mL	2.0906 mL	4.1812 mL
		10 mM		0.2091 mL	1.0453 mL	2.0906 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 1.25 mg/mL (2.61 mM); Clear solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 1.25 mg/mL (2.61 mM); Suspended solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	MTX-211 (Mol 211) is a dual inhibitor of EGFR and PI3K with IC ₅₀ values of ∅100 nM. MTX-211 can be used for the research of cancer and other diseases ^[1] .	
IC ₅₀ & Target	EGFR	PI3K
In Vitro	MTX-211 (MOL211) has inhibitory activity for both EGFR and PI3K Alpha with IC ₅₀ values of ∅100 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

CUSTOMER VALIDATION

- Clin Transl Med. 2022 Jul;12(7):e961.
- Br J Cancer. 2023 Mar 23.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Small molecule inhibitors of egfr and pi3k. WO 2016100347 A2

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