



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

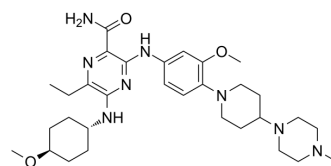
mail@szabo-scandic.com

www.szabo-scandic.com

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

EML4-ALK kinase inhibitor 1

Cat. No.:	HY-111752
CAS No.:	1373409-08-5
Molecular Formula:	C ₃₁ H ₄₈ N ₈ O ₃
Molecular Weight:	580.76
Target:	ALK
Pathway:	Protein Tyrosine Kinase/RTK
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 : 110 mg/mL (189.41 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	1.7219 mL	8.6094 mL	17.2188 mL
		5 mM	0.3444 mL	1.7219 mL	3.4438 mL
		10 mM	0.1722 mL	0.8609 mL	1.7219 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: ≥ 5.5 mg/mL (9.47 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 5.5 mg/mL (9.47 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	EML4-ALK kinase inhibitor 1 is a potent orally active inhibitor of echinoderm microtubule-associated protein-like 4-anaplastic lymphoma kinase (EML4-ALK), with an IC ₅₀ of 1 nM ^[1] .
IC ₅₀ & Target	IC ₅₀ : 1 nM (EML4-ALK) ^[1] .

REFERENCES

[1]. Iikubo K, et al. Synthesis and structure-activity relationships of pyrazine-2-carboxamide derivatives as novel echinoderm microtubule-associated protein-like 4 (EML4)-anaplastic lymphoma kinase (ALK) inhibitors. *Bioorg Med Chem*. 2019 Apr 15;27(8):1683-1692.

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