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Produktinformation

- Forschungsprodukte & Biochemikalien
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- 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

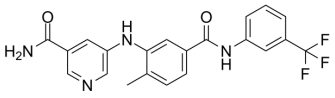
mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

ALW-II-49-7

Cat. No.:	HY-18833
CAS No.:	1135219-23-6
Molecular Formula:	$C_{21}H_{17}F_3N_4O_2$
Molecular Weight:	414.38
Target:	Ephrin Receptor
Pathway:	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 : 100 mg/mL (241.32 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.4132 mL	12.0662 mL	24.1324 mL
	5 mM	0.4826 mL	2.4132 mL	4.8265 mL
	10 mM	0.2413 mL	1.2066 mL	2.4132 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: ≥ 2.5 mg/mL (6.03 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (6.03 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.03 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

ALW-II-49-7 is a selective EphB2 kinase inhibitor with an EC_{50} value of 40 nM in cell[1].

IC_{50} & Target

EphB2[1]

In Vitro

ALW-II-49-7 (compound 9) exhibits selectivity profile of binding to a set of kinases including b-raf, CSF1R, DDR1, DDR2, EphA2, EphA5, EphA8, EphB1, EphB2, EphB3, Frk, Kit, Lck, p38a, p38b, PDGFRa, PDGFRb, and Raf1[1].
ALW-II-49-7 (0.01-10 μM; 1 h) inhibits EphB2 tyrosine kinase activity in U87 glioblastoma cells. EphB2 is added in media at 2 μ

g/mL[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Choi Y, et al. Discovery and structural analysis of Eph receptor tyrosine kinase inhibitors. Bioorg Med Chem Lett. 2009 Aug 1;19(15):4467-70.

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