



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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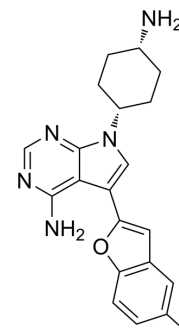
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PIKfyve-IN-3

Cat. No.:	HY-163133		
Molecular Formula:	C ₂₁ H ₂₃ N ₅ O		
Molecular Weight:	361.44		
Target:	PIKfyve		
Pathway:	PI3K/Akt/mTOR		
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 : 10 mg/mL (27.67 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Mass		1 mg	5 mg	10 mg
	Concentration				
	1 mM		2.7667 mL	13.8336 mL	27.6671 mL
	5 mM		0.5533 mL	2.7667 mL	5.5334 mL
	10 mM		0.2767 mL	1.3834 mL	2.7667 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 1 mg/mL (2.77 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1 mg/mL (2.77 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1 mg/mL (2.77 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PIKfyve-IN-3 (compound L22) has a remarkable interaction with PIKfyve kinase with a K_D value of 0.47 nM. PIKfyve-IN-3 has oral activity. PIKfyve-IN-3 inhibits tumor growth in a HeLa xenograft model^[1].

REFERENCES

- [1]. Yong Chen, et al. Discovery of Potent and Selective Phosphatidylinositol 3-Phosphate 5-Kinase (PIKfyve) Inhibitors as Methuosis Inducers. *J Med Chem.* 2024, 67, 1.

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

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