



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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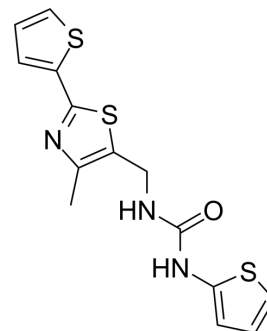
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VU0542270

Cat. No.:	HY-162322
CAS No.:	1396814-79-1
Molecular Formula:	C ₁₄ H ₁₃ N ₃ OS ₃
Molecular Weight:	335.47
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (298.09 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	2.9809 mL	14.9045 mL	29.8089 mL	
		5 mM	0.5962 mL	2.9809 mL	5.9618 mL	
	10 mM	0.2981 mL	1.4904 mL	2.9809 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.5 mg/mL (7.45 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	VU0542270 is a selective vascular Kir6.1/SUR2B KATP channel inhibitor with a IC ₅₀ value of 100 nM. VU0542270 can be used in cardiovascular disease research ^[1] .
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REFERENCES

[1]. Li K, et al. Discovery and Characterization of VU0542270, the First Selective Inhibitor of Vascular Kir6.1/SUR2B KATP Channels. Mol Pharmacol. 2024 Feb 15;105(3):202-212.

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

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