



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

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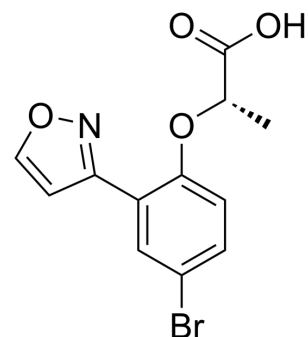
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NMD670

Cat. No.:	HY-158183		
CAS No.:	2354321-33-6		
Molecular Formula:	C ₁₂ H ₁₀ BrNO ₄		
Molecular Weight:	312.12		
Target:	Chloride Channel		
Pathway:	Membrane Transporter/Ion Channel		
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 (320.39 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.2039 mL	16.0195 mL	32.0390 mL
	5 mM		0.6408 mL	3.2039 mL	6.4078 mL
	10 mM		0.3204 mL	1.6019 mL	3.2039 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: ≥ 2.5 mg/mL (8.01 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (8.01 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.01 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

NMD670 is an orally active partial inhibitor of the skeletal muscle-specific chloride channel ClC-1. NMD670 increases muscle excitability in response to movement commands, enhances neuromuscular transmission, restores muscle function and improves muscle mobility. NMD670 has a favorable safety profile and improves muscle function in rats in a MG rat model^[1].

REFERENCES

[1]. Skov M, et al. The CLC-1 chloride channel inhibitor NMD670 improves skeletal muscle function in rat models and patients with myasthenia gravis. *Sci Transl Med.* 2024 Mar 20;16(739):eadk9109.

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

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