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Produktinformation



Forschungsprodukte & Biochemikalien



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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

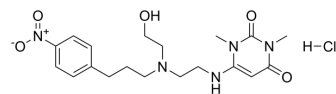
mail@szabo-scandic.com

www.szabo-scandic.com

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

Nifekalant hydrochloride (Standard)

Cat. No.:	HY-B0772AR
CAS No.:	130656-51-8
Molecular Formula:	C ₁₉ H ₂₈ ClN ₅ O ₅
Molecular Weight:	441.91
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Nifekalant (hydrochloride) (Standard) is the analytical standard of Nifekalant (hydrochloride). This product is intended for research and analytical applications. Nifekalant hydrochloride (MS-551), a class III antiarrhythmic agent, is a IKr potassium channel blocker with an IC₅₀ of 10 μM. Nifekalant hydrochloride can be used for refractory ventricular tachyarrhythmias research^{[1][2]}.

REFERENCES

- [1]. Lü-Pei Du, et al. The pharmacophore hypotheses of I(Kr) potassium channel blockers: novel class III antiarrhythmic agents. *Bioorg Med Chem Lett*. 2004 Sep 20;14(18):4771-7.
- [2]. Ioannis N Pantazopoulos, et al. Nifekalant in the treatment of life-threatening ventricular tachyarrhythmias. *World J Cardiol*. 2011 Jun 26;3(6):169-76.
- [3]. J Chen, et al. IK independent class III actions of MS-551 compared with sematilide and dofetilide during reperfusion in anaesthetized rats. *Br J Pharmacol*. 1996 Nov;119(5):937-42.

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