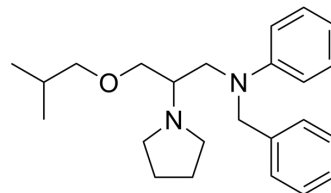


Bepridil

Cat. No.:	HY-16952
CAS No.:	64706-54-3
Molecular Formula:	C ₂₄ H ₃₄ N ₂ O
Molecular Weight:	366.54
Target:	Calcium Channel; Sodium Channel; SARS-CoV
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Bepridil ((±)-Bepridil) is a calcium channel blocking agent used as antiarrhythmic agent. Bepridil inhibits both calcium and sodium currents, has research potential in certain ischemia-induced ventricular arrhythmias. Bepridil also has strong inhibition of SARS-CoV-2 from entry and replication inside Vero E6 and A549 cells ^{[1][2]} .
IC ₅₀ & Target	Calcium channel, Sodium channel, SARS-CoV-2 ^{[1][2]}

CUSTOMER VALIDATION

- Eur J Pharm Sci. 2023 May 22;106475.
- Eur J Pharm Sci. 2021, 105889.
- Virology. 2020 Jan 2;539:38-48.
- Virology. 2020 Jan 2;539:38-48.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Yatani A, et al. Bepridil block of cardiac calcium and sodium channels. J Pharmacol Exp Ther. 1986 Apr;237(1):9-17.
- [2]. Vatansever EC, et al. Bepridil is potent against SARS-CoV-2 in vitro. Proc Natl Acad Sci U S A. 2021 Mar 9;118(10):e2012201118.

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

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