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DATASHEET

ICA 069673

Product overview

Name	ICA 069673
Cat No	HB1061
Biological action	Activator
Purity	>99%
Description	K _v 7.4 channel activator

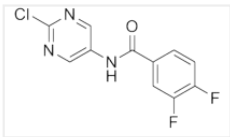
Biological Data

Biological description	K _v 7.4 channel activator. Also K _v 7.2/7.3 and K _v 7.3/7.5 channel activator (EC ₅₀ values are 0.69 and 14.3 μM respectively). Displays no or little activity at K _v 11.1, Na _v 1.5, K _v 7.1 and GABA _A channels.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in DMSO (100mM) or ethanol (25mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	N-(2-Chloro-5-pyrimidinyl)-3,4-difluorobenzamide
Molecular Weight	269.63
Chemical structure	
Molecular Formula	C ₁₁ H ₆ ClF ₂ N ₃ O
CAS Number	582323-16-8
PubChem identifier	10149311
SMILES	<chem>C1C=NC=C(NC(C2=CC(F)=C(F)C=C2)=O)C=N1</chem>
InChiKey	IIBSHMFVWTSJ-UHFFFAOYSA-N

References

Differential activation of vascular smooth muscle Kv7.4, Kv7.5, and Kv7.4/7.5 channels by ML213 and ICA-069673.

Brueggemann LI *et al* (2014) Mol Pharmacol 86(3)

PubMedID [24944189](#)

N-Pyridyl and Pyrimidine Benzamides as KCNQ2/Q3 Potassium Channel Openers for the Treatment of Epilepsy.

Amato G *et al* (2011) ACS Med Chem Lett 2(6)

PubMedID [24900334](#)

