Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@m2stage.hellobio.com

DATASHEET

ML 402

Product overview

Name	ML 402
Cat No	HB6899
Alternative names	ML-402, ML402
Biological action	Activator
Purity	>98%
Description	Selective $K_{2P}2.1$ (TREK-1) and $K_{2P}10.1$ (TREK-2) activator

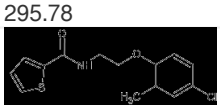
Biological Data

Biological description	Selective $K_{2P}2.1$ (TREK-1) and $K_{2P}10.1$ (TREK-2) activator but inactive against $K_{2P}4.1$ (TRAAK) (EC_{50} values are 13.7 and 5.9 µM

Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (100 mM), and in ethanol (50 mM)
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-(4-Chloro-2-methylphenoxy)ethyl]-2-thiophenecarboxamide
Molecular Weight	295.78
Chemical structure	
Molecular Formula	$C_{14}H_{14}ClNO_2S$
CAS Number	298684-44-3
PubChem identifier	592973
SMILES	CC1=C(C=CC(=C1)Cl)OCCNC(=O)C2=CC=CS2
InChi	InChI=1S/C14H14ClNO2S/c1-10-9-11(15)4-5-12(10)18-7-6-16-14(17)13-3-2-8-19-13/h2-5,8-9H,6-7H2,1H3,(H,16,17)
InChiKey	RULQUKFOBAPKKR-UHFFFAOYSA-N

References

K(2P)2.1 (TREK-1)-activator complexes reveal a cryptic selectivity filter binding site.

Lolicato M et al (2017) Nature 547

PubMedID 28693035