

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

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

customer-care-usa@m2stage.hellobio.com



DATASHEET

ML 335

Product overview

Name	ML 335
Cat No	HB6763
Alternative names	ML-335, ML335, ML 335
Biological action	Activator
Purity	>98%
Description	Selective K _{2P} 2.1 (TREK-1) and K _{2P} 10.1 (TREK-2) activator

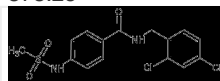
Biological Data

Biological description	Selective K _{2P} 2.1 (TREK-1) and K _{2P} 10.1 (TREK-2) activator (EC ₅₀ values are 14.3 μM and 5.2 μM respectively) that does not activate K _{2P} 4.1 (TRAAK).
-------------------------------	--

Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (100 mM), and in ethanol (20 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-Dichlorophenyl)methyl]-4-[(methylsulfonyl)amino]benzamide
Molecular Weight	373.25
Chemical structure	
Molecular Formula	C ₁₅ H ₁₄ Cl ₂ N ₂ O ₃ S
CAS Number	825658-06-8
PubChem identifier	1243054
SMILES	CS(=O)(=O)NC1=CC=C(C=C1)C(=O)NCC2=C(C=C(C=C2)Cl)Cl
InChi	InChI=1S/C15H14Cl2N2O3S/c1-23(21,22)19-13-6-3-10(4-7-13)15(20)18-9-11-2-5-12(16)8-14(11)17/h2-8,19H,9H2,1H3,(H,18,20)
InChiKey	RDFIQTZRJRVFHK-UHFFFAOYSA-N
MDL number	MFCD12985402

References

Protein and Chemical Determinants of BL-1249 Action and Selectivity for K(2P) Channels.

Pope L et al (2018) ACS chemical neuroscience 9

PubMedID [30089357](#)

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

Lolicato M et al (2017) Nature 547

PubMedID 28693035

K(2P) channel C-type gating involves asymmetric selectivity filter order-disorder transitions.

Lolicato M et al (2020) Science advances 6

PubMedID 33127683

The TREK-1 potassium channel is a potential pharmacological target for vasorelaxation in pulmonary hypertension.

Csáki R et al (2024) British journal of pharmacology

PubMedID 38807478

TREK-1 channels regulate pressure sensitivity and calcium signaling in trabecular meshwork cells.

Yarishkin O et al (2018) The Journal of general physiology 150

PubMedID 30446509
