

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 213

Product overview

Name	ML 213
Cat No	HB1064
Biological action	Activator
Purity	>99%
Description	Selective K _v 7.2 / K _v 7.4 channel activator

Images



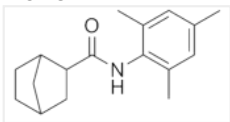
Biological Data

Biological description	Selective K _v 7.2 and K _v 7.4 channel activator (EC ₅₀ values are 230 and 510 nM respectively). Exhibits >80-fold selectivity for K _v 7.2 and K _v 7.4 channels over other K ⁺ channels. Displays vasorelaxant properties.
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (50mM) or ethanol (50mM)
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-(2,4,6-Trimethylphenyl)-bicyclo[2.2.1]heptane-2-carboxamide
Molecular Weight	257.37
Chemical structure	

Molecular Formula	C ₁₇ H ₂₃ NO
CAS Number	489402-47-3
PubChem identifier	3111211
SMILES	O=C(NC3=C(C)C=C(C)C=C3C)C1CC2CCCC1C2

Chemical name
InChiKey

N-(2,4,6-Trimethylphenyl)-bicyclo[2.2.1]heptane-2-carboxamide
SIQGKPGBLYKQBB-UHFFFAOYSA-N

References

Discovery, Synthesis, and Structure Activity Relationship of a Series of *N*-Aryl- bicyclo[2.2.1]heptane-2-carboxamides: Characterization of ML213 as a Novel KCNQ2 and KCNQ4 Potassium Channel Opener.

Yu H *et al* (2011) ACS Chem Neurosci 2(10)
PubMedID [22125664](#)

Vasorelaxant effects of novel Kv 7.4 channel enhancers ML213 and NS15370.

Jepps TA *et al* (2014) Br J Pharmacol 171(19)
PubMedID [24909207](#)

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](#)
