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DATASHEET

SN 2

Product overview

Name	SN 2
Cat No	HB1172
Biological action	Activator
Purity	>98%
Description	Selective TRPML3 channel activator

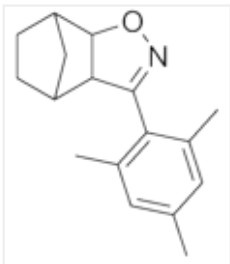
Biological Data

Biological description	Selective TRPML3 channel activator ($EC_{50} = 1.13 \mu\text{M}$). Also Increases intracellular Ca^{2+} concentrations.
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (100mM) or ethanol (100mM)
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	3a,4,5,6,7,7a-Hexahydro-3-(2,4,6-trimethylphenyl)-4,7-methano-1,2-benzisoxazole
Molecular Weight	255.35
Chemical structure	

Molecular Formula	$\text{C}_{17}\text{H}_{21}\text{NO}$
CAS Number	823218-99-1
PubChem identifier	11834987
SMILES	<chem>CC1=CC(C)=CC(C)=C1C2=NOC3C2C4CCC3C4</chem>
InChiKey	WKLZNTYMDOPBSE-UHFFFAOYSA-N

References

Small molecule activators of TRPML3.

Grimm C *et al* (2010) Chem Biol 17(2)

PubMedID [20189104](https://pubmed.ncbi.nlm.nih.gov/20189104/)

Genetic inactivation of Trpm13 does not lead to hearing and vestibular impairment in mice.

Jörs S *et al* (2010) PLoS One 5(12)

PubMedID

21179200
