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DATASHEET

RN 1747

Product overview

Name	RN 1747
Cat No	HB1186
Biological action	Agonist
Purity	>98%
Description	Selective TRPV4 agonist

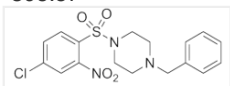
Biological Data

Biological description	Selective TRPV4 agonist (EC ₅₀ values are 0.77, 4.0 and 4.1 μM for human, mouse and rat TRPV4 respectively). Displays selectivity for TRPV4 over TRPM8, TRPV1 and TRPV3. Also TRPM8 antagonist (IC ₅₀ = 4.0 μM).
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (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	1-(4-Chloro-2-nitrophenyl)sulfonyl- 4-benzylpiperazine
Molecular Weight	395.87
Chemical structure	
Molecular Formula	C ₁₇ H ₁₈ ClN ₃ O ₄ S
CAS Number	1024448-59-6
PubChem identifier	5068295
SMILES	C1CN(CCN1CC2=CC=CC=C2)S(=O)(=O)C3=C(C=C(C=C3)Cl)[N+](=O)[O-]
InChi	InChI=1S/C17H18ClN3O4S/c18-15-6-7-17(16(12-15)21(22)23)26(24,25)20-10-8-19(9-11-20)13-14-4-2-1-3-5-14/h1-7,12H,8-11,13H2
InChiKey	ZNLVYSJQUMALEO-UHFFFAOYSA-N
MDL number	MFCD04154169

References

Identification and characterization of novel TRPV4 modulators.

Vincent F *et al* (2009) Biochem Biophys Res Commun 389(3)

PubMedID [19737537](#)

