



Product Information

TRP channel inhibitor ML204, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ467

Size: 10 mg; 25 mg; 50 mg; 100 mg

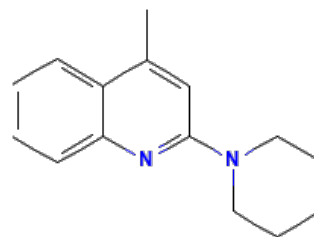
MDL: MFCD00817920

CAS Number: 5465-86-1

Compound CID: 230710

Synonym: 5465-86-1; TRP channel inhibitor; ML 204; ML-204

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	ML204, soluble in DMSO and ethanol and insoluble in water, modulates the function of TRP channels, which are crucial for various physiological processes including sensation and thermoregulation. It targets TRPC4 and TRPC5.
Molecular Weight	226.32
Molecular Formula	C ₁₅ H ₁₈ N ₂
Targets	TRPC4; TRPC5
IUPAC Name	4-Methyl-2-piperidin-1-ylquinoline
InChI	InChI=1S/C15H18N2/c1-12-11-15(17-9-5-2-6-10-17)16-14-8-4-3-7-13(12)14/h3-4,7-8,11H,2,5-6,9-10H2,1H3
InChI Key	USYRQXDHKXGTCK-UHFFFAOYSA-N
Canonical SMILES	CC1=CC(=NC2=CC=CC=C2)N3CCCCC3
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 41 mg/mL (181.16 mM); Water: Insoluble; Ethanol: 41 mg/mL (181.16 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	ML204 serves as a TRP channel inhibitor in scientific research investigating its role in mechanotransduction and signal transduction.



Storage

Store at -20°C, and keep desiccated.
