



Product Information

TRP channel inhibitor HC-030031, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ384

Size: 50 mg; 100 mg; 200 mg; 500 mg

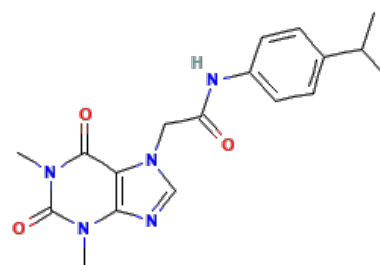
MDL: MFCD02007349

CAS Number: 349085-38-7

Compound CID: 1150897

Synonym: 349085-38-7; TRP channel inhibitor; HC030031

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



Product Information

Description	HC-030031, soluble in DMSO and insoluble in ethanol and water, modulates the function of TRP channels, which are crucial for various physiological processes including sensation and thermoregulation. It targets TRPA1.
Molecular Weight	355.4
Molecular Formula	C ₁₈ H ₂₁ N ₅ O ₃
Targets	TRPA1
IUPAC Name	2-(1,3-Dimethyl-2,6-dioxopurin-7-yl)-N-(4-propan-2-ylphenyl)acetamide
InChI	InChI=1S/C18H21N5O3/c1-11(2)12-5-7-13(8-6-12)20-14(24)9-23-10-19-16-15(23)17(25)22(4)18(26)21(16)3/h5-8,10-11H,9H2,1-4H3,(H,20,24)
InChI Key	HEQDZPHDVAOBLN-UHFFFAOYSA-N
Canonical SMILES	CC(C)C1=CC=C(C=C1)NC(=O)CN2C=NC3=C2C(=O)N(C(=O)N3C)C
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 27 mg/mL (75.97 mM); Water: Insoluble; Ethanol: Insoluble
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	HC-030031 is used to inhibit TRP channels, which are significant in pain perception and sensory physiology.



Storage

Store at -20°C, and keep desiccated.
