

Product Name: TRPV3 74a

Catalog No.: 6831

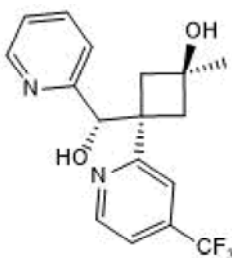
Batch No.: 1

CAS Number: 1432051-63-2

IUPAC Name: (α S)- α -[*cis*-3-Hydroxy-3-methyl-1-[4-(trifluoromethyl)-2-pyridinyl]cyclobutyl]-2-pyridinemethanol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₇F₃N₂O₂
Batch Molecular Weight: 338.32
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 100.0% purity
Chiral HPLC: Shows 99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	60.35	5.06	8.28
Found	60.45	5.09	8.47

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Selective TRPV3 antagonist ($K_B = 0.56 \mu\text{M}$). Displays no significant activity against a panel of other ion channels. Exhibits efficacy in animal models of neuropathic pain. Brain penetrant.

Physical and Chemical Properties:

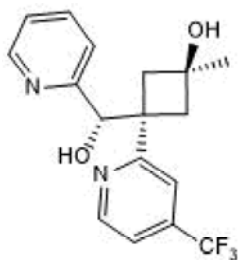
Batch Molecular Formula: $\text{C}_{17}\text{H}_{17}\text{F}_3\text{N}_2\text{O}_2$

Batch Molecular Weight: 338.32

Physical Appearance: White solid

Minimum Purity: $\geq 98\%$

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a $45\text{-}60^\circ\text{C}$ water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Gomtsyan et al (2016) Synthesis and pharmacology of (pyridin-2-yl)methanol derivatives as novel and selective transient receptor potential vanilloid 3 antagonists. *J.Med.Chem.* **59** 4926. PMID: 27077528.

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