Product Name: HC 067047
Catalog No.: 4100
Batch No.: 1

CAS Number: 883031-03-6
IUPAC Name: 2-Methyl-1-[3-(4-morpholinyl)propyl]-5-phenyl-N-[3-(trifluoromethyl)phenyl]-1H-pyrrole-3-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** C_{26}H_{28}F_{3}N_{3}O_{2}
- **Batch Molecular Weight:** 471.51
- **Physical Appearance:** White crystalline solid
- **Solubility:** DMSO to 100 mM, ethanol to 25 mM
- **Storage:** Store at +4°C

2. ANALYTICAL DATA

- **HPLC:** Shows 99.4% purity
- **¹H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:** Carbon Hydrogen Nitrogen
  - Theoretical: 66.23 5.99 8.91
  - Found: 66.12 5.99 8.86
Description:
Potent and selective TRPV4 antagonist. Reversibly inhibits currents through mouse, human and rat TRPV4 orthologs (IC₅₀ values are 17, 48 and 133 nM respectively). Also inhibits the endogenous TRPV4-mediated response to 4α-PDH (IC₅₀ = 22 nM). Selective for TRPV4 over TRPV1, TRPV2, TRPV3 and TRPM8 channels.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₆H₂₈F₃N₃O₂
Batch Molecular Weight: 471.51
Physical Appearance: White crystalline solid
Minimum Purity: >99%

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 25 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 45-60°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.

Other Information:
INFORMATION FOR CUSTOMERS IN THE UK ONLY
This product is a Schedule 1 Home Office controlled substance and customers in the UK are required to hold the relevent licence or be exempt from restrictions in order to purchase and possess this material.

References: