

Certificate of Analysis

Product Name: CIM 0216

Catalog No.: 5521

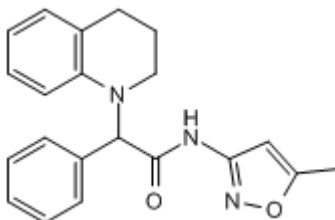
Batch No.: 1

CAS Number: 1031496-06-6

IUPAC Name: 3,4-Dihydro-N-(5-methyl-3-isoxazolyl)- α -phenyl-1(2H)-quinolineacetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₁H₂₁N₃O₂
Batch Molecular Weight: 347.41
Physical Appearance: Beige solid
Solubility: DMSO to 100 mM
 ethanol to 50 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	72.6	6.09	12.1
Found	72.26	6.15	12.17

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

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Description:

Selective TRPM3 agonist. Exhibits selectivity for TRPM3 over TRPM1, TRPM2 and TRPM4-8. Stimulates insulin release from pancreatic islet cells in vitro. Evokes nocifensive behavior in mice.

Physical and Chemical Properties:

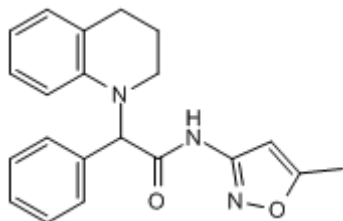
Batch Molecular Formula: C₂₁H₂₁N₃O₂

Batch Molecular Weight: 347.41

Physical Appearance: Beige solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Held *et al* (2015) Activation of TRPM3 by a potent synthetic ligand reveals a role in peptide release. *Proc.Natl.Acad.Sci.U.S.A.* **112** E1363. PMID: 25733887.

Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 50 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.

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