

Product Name: CIM 0216

Catalog No.: 5521

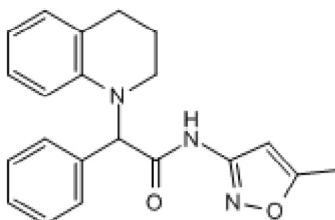
Batch No.: 2

CAS Number: 1031496-06-6

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

1. PHYSICAL AND CHEMICAL PROPERTIES

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



2. ANALYTICAL DATA

HPLC: Shows 99.5 % purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 72.6 | 6.09 | 12.1 |
| Found | 72.42 | 6.09 | 12.06 |

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

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Description:

CIM 0216 is a 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:

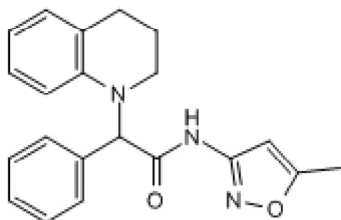
Batch Molecular Formula: C₂₁H₂₁N₃O₂

Batch Molecular Weight: 347.41

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at +4°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 45-60°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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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:

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.

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