

**Product Name:** CIM 0216

**Catalog No.:** 5521

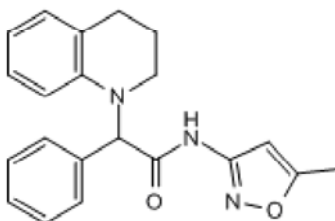
**Batch No.:** 1

CAS Number: 1031496-06-6

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

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>21</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>  
**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 98.3% purity  
**<sup>1</sup>H 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:**

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:**

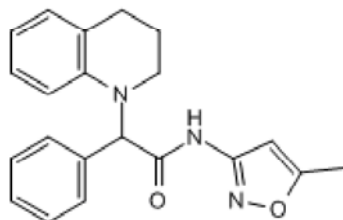
Batch Molecular Formula: C<sub>21</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>

Batch Molecular Weight: 347.41

Physical Appearance: Beige solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**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.

**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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