

**Product Name:** DJ-V 159

**Catalog No.:** 6645

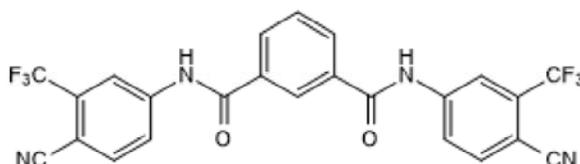
**Batch No.:** 1

CAS Number: 2253744-53-3

IUPAC Name: *N*<sup>1</sup>,*N*<sup>3</sup>-Bis(4-cyano-3-(trifluoromethyl)phenyl)isophthalamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>24</sub>H<sub>12</sub>F<sub>6</sub>N<sub>4</sub>O<sub>2</sub>  
**Batch Molecular Weight:** 502.37  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 20 mM with gentle warming  
**Storage:** Store at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.1% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	57.38	2.41	11.15
Found	57.33	2.4	11.17

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

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**Description:**

DJ-V 159 is a GPRC6A agonist. Activates ERK and stimulates cAMP production in GPRC6A expressing HEK-293 cells. Stimulates insulin secretion from mouse β-cells in vitro. Reduces blood glucose levels in mice in vivo.

**Physical and Chemical Properties:**

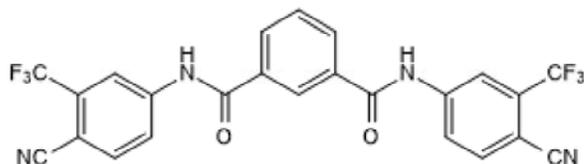
Batch Molecular Formula: C<sub>24</sub>H<sub>12</sub>F<sub>6</sub>N<sub>4</sub>O<sub>2</sub>

Batch Molecular Weight: 502.37

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

DMSO to 20 mM with gentle warming

**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:**

Pi *et al* (2018) Computationally identified novel agonists for GPRC6A. PLoS One **13** e0195980. PMID: 29684031.

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