Certificate of Analysis

Product Name: **DJ-V 159** **Catalog No.: 6645** **Batch No.: 1**

IUPAC Name: *N*[1],*N*[3]-*Bis*(4-cyano-3-(trifluoromethyl)phenyl)isophthalamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{24}H_{12}F_6N_4O_2$

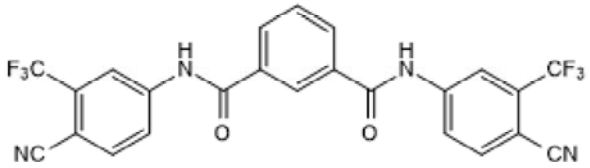
Batch Molecular Weight: 502.37

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

^{1}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

bio-techne.com
info@bio-techne.com
techsupport@bio-techne.com

North America
Tel: (800) 343 7475

China
info.cn@bio-techne.com
Tel: +86 (21) 52380373

Europe Middle East Africa
Tel: +44 (0)1235 529449

Rest of World
www.tocris.com/distributors
Tel:+1 612 379 2956

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IUPAC Name: *N*[1],*N*[3]-*Bis*(4-cyano-3-(trifluoromethyl)phenyl)isophthalamide

Description:

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:

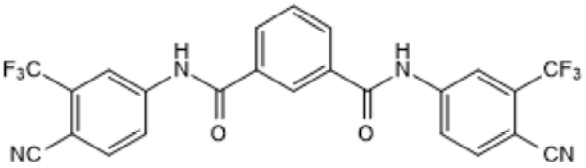
Batch Molecular Formula: $C_{24}H_{12}F_6N_4O_2$

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.