

Catalog	Unit
TBI3582-5MG	5 mg
TBI3582-25MG	25 mg

Product Details

Formal Name: N1,N3-Bis(4-cyano-3-(trifluoromethyl)phenyl)isophthalamide

Molecular Formula: C₂₄H₁₂F₆N₄O₂

Formula Weight: 502.40

CAS Number: 2253744-53-3

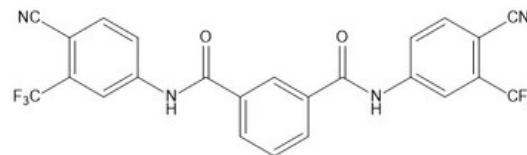
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 60 mg/ml)

Storage: RT

Stability: ≥ 2 years.



Applications

GPRC6A agonist; Stimulates insulin secretion in beta cells

Functions

GPRC6A is the receptor for osteocalcin as well as structurally unrelated ligands including L-amino acids, cations and anabolic steroids. GPRC6A is a potential therapeutic target for treating type 2 diabetes. DJ-V 159 is an agonist at GPRC6A which activates ERK and upregulates cAMP levels in HEK-193 cells expressing GPRC6A. It stimulates insulin secretion in mouse β-cells and lowers blood glucose in mouse models.

Application Procedures

First dissolved in DMSO (up to 60 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.