

Product Name : MSDC-0160

Synonyms : PNU-91325; Mitoglitazone

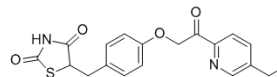
Cat No. : M11984

CAS Number : 146062-49-9

Molecular Formula : C₁₉H₁₈N₂O₄S

Formula Weight : 370.42

Chemical Name : 2,4-Thiazolidinedione, 5-[[4-[2-(5-ethyl-2-pyridinyl)-2-oxoethoxy]phenyl]methyl]-



Description : A new generation insulin sensitizer and mitochondrial target of thiazolidinediones (mTOT) modulator that has low affinity for binding and activation of PPAR γ (EC₅₀=23.7 μ M) and shows insulin-sensitizing effects in mouse models of diabetes; increases AMPK activity and reduces mTOR activity, maintains β -cell phenotype in human islets. Diabetes Phase 2 Clinical

Pathway : Tyrosine Kinase

Target : Insulin Receptor

Receptor : mTOT

Solubility : DMSO: $\geq$ 30 mg/mL

SMILES : O=C(N1SC(C2=CC=C(OCC(C3=NC=CC(C3)=O)C=C2)C1=O

Storage : (-20°C)

Stability : $\geq$ 2 years

Reference :

1. Colca JR, et al. Clin Pharmacol Ther. 2013 Apr;93(4):352-9. 2. Bolten CW, et al. Gene Regul Syst Bio. 2007 Sep 17;1:73-82. 3. Rohatgi N, et al. PLoS One. 2013 May 1;8(5):e62012.