

Rosiglitazone maleate, PPAR γ agonist

Catalog	Unit
TBI1012-100MG	100 mg
TBI1012-500MG	500 mg

Product Details

Formal Name: 5-[[4-[2-(Methyl-2-pyridinylamino)ethoxy]phenyl]methyl]-2,4-thiazolidinedione maleate

Alternate Names: Avandia; BRL49653

Molecular Formula: C₁₈H₁₉N₃O₃S

Formula Weight: 357.43

CAS Number: 155141-29-0

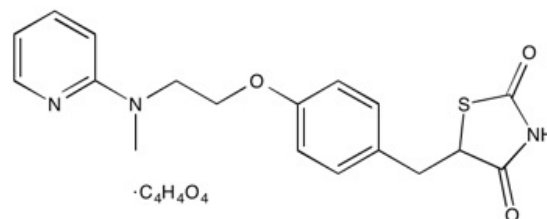
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml).

Storage: RT

Stability: \geq 2 years.



Applications

PPAR γ agonist

Functions

Prototypical TZD antidiabetic agent. Potent and selective PPAR γ agonist ($K_d=43$ nM). Clinically useful antihyperglycemic agent. Induces a brown fat gene program in subcutaneous white adipose tissue via activation of the PRDM16 protein. Induces differentiation of pluripotent stem cells into adipocytes.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.