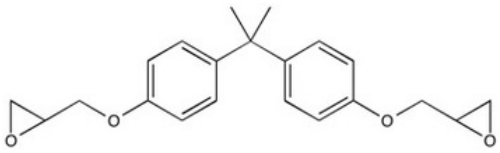
Tribioscience

BADGE, PPARg antagonist

Catalog	Unit
TBI2618-10MG	10 mg
TBI2618-50MG	50 mg

Product Details



Formal Name: 2,3-Bis[4-(2,3-epoxypropoxy)phenyl]propane
Alternate Names: Bisphenol A diglycidyl ether
Molecular Formula: $C_{21}H_{24}O_4$
Formula Weight: 340.41
CAS Number: 1675-54-3
Purity: >95%
Formulation: powder
Solubility: Soluble in DMSO (up to 30 mg/ml) or in Ethanol (up to 15 mg/ml).
Storage: -20°C
Stability: ≥ 1 year.

Applications

PPARg antagonist

Functions

PPARγ antagonist with μM affinity in 3T3-L1 and 3T3-F442A preadipocyte cells. Selective over PPARδ and PPARα. Antagonizes the ability of rosiglitazone to stimulate transcriptional activity of PPARγ and abolishes its anti-inflammatory effects in a mouse model. Induces apoptosis via PPARγ-independent mechanisms. Induces adipogenesis in human and mouse mesenchymal stromal stem cells and in mouse 3T3-L1 preadipocytes at low nM concentrations via a PPARγ independent mechanism. Increases osteoblastogenesis and bone mass in a mouse model. Active in vivo.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml) or in Ethanol (up to 15 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.

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