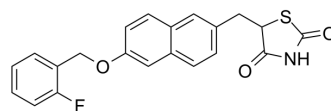


Netoglitazone

| | | | |
|--------------------|-----------------------------------------------------------|-------|----------|
| Cat. No.: | HY-100428 | | |
| CAS No.: | 161600-01-7 | | |
| Molecular Formula: | C ₂₁ H ₁₆ FNO ₃ S | | |
| Molecular Weight: | 381.42 | | |
| Target: | PPAR | | |
| Pathway: | Cell Cycle/DNA Damage; Vitamin D Related/Nuclear Receptor | | |
| Storage: | Powder | -20°C | 3 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

| | | | | | |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|------------|------------|
| In Vitro | DMSO : 250 mg/mL (655.45 mM; Need ultrasonic) | | | | |
| | Preparing Stock Solutions | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | | 1 mM | 2.6218 mL | 13.1089 mL | 26.2178 mL |
| | | 5 mM | 0.5244 mL | 2.6218 mL | 5.2436 mL |
| | | 10 mM | 0.2622 mL | 1.3109 mL | 2.6218 mL |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (5.45 mM); Clear solution | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.08 mg/mL (5.45 mM); Suspended solution; Need ultrasonic | | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.45 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | | |
|---------------------------|-----------------------------------------------------------------------------------------------------|-------|
| Description | Netoglitazone is a dual agonist of PPARα and PPARγ with antihyperglycemic activity ^[1] . | |
| IC ₅₀ & Target | PPARα | PPARγ |

REFERENCES

[1]. Reginato MJ, et al. A potent antidiabetic thiazolidinedione with unique peroxisome proliferator-activated receptor gamma-activating properties. J Biol Chem. 1998 Dec 4;273(49):32679-84.

Caution: Product has not been fully validated for medical applications. For research use only.

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