

## Pioglitazone

货号: P0029

储存条件: 粉末-20°C 可保存 3 年; 液体-80°C 可保存 12 月。

### 产品描述

Pioglitazone is a selective thiazolidinedione-based PPAR $\gamma$  agonist with EC50 value of 0.69 $\mu$ M for activating transcriptional activity of PPAR $\gamma$  and occupied PPAR $\gamma$  up to 90% at concentration of 100 $\mu$ M. Pioglitazone also showed weak activation effect on hPPAR $\alpha$ . Pioglitazone exhibited minimum effective dose at 300 $\mu$ M/kg for significant reduction in blood glucose in ob/ob mice. Pioglitazone is used as an antidiabetic agent that improves hyperglycaemia and hyperlipidaemia in obese and diabetic animals through its action of reduction in hepatic and peripheral insulin resistance.

### 作用机制

Pioglitazone exhibited competition binding to PPAR $\gamma$  as a high affinity ligand.

### 产品信息

CAS 号	111025-46-8	
分子式	C <sub>19</sub> H <sub>20</sub> N <sub>2</sub> O <sub>3</sub> S	
分子量	356.44	
溶解度	DMSO	25.0 mg/mL (70.1 mM)
	Water	insoluble

