

Rosiglitazone, 50mM

Cell Culture Reagents-Hormone and Ligand

产品编号:	CH004
产品描述:	Thiazolidinediones (TZDs) are a group of structurally related peroxisome proliferator-activated receptor γ (PPAR γ) agonists with antidiabetic actions in vivo. Rosiglitazone (BRL 49653) is a prototypical TZD and has served as a reference compound for this class. Rosiglitazone is a potent and selective PPAR γ ligand. It binds to the PPAR γ ligand-binding domain with a Kd of 43 nM. It activates luciferase-based expression constructs PPAR γ 1 and PPAR γ 2 with EC50 values of approximately 30 nM and 100 nM, respectively. Rosiglitazone is active in vivo as a antidiabetic agent in the ob/ob mouse model, and has been used as an oral hypoglycemic agent in the treatment of Type II diabetes in humans for many years.
中文名称:	罗格列酮
其它名称:	BRL49653
分子式:	C18H18N3O3S.K
分子量:	395.5
CAS 编号:	316371-84-3
产品类型:	Ready-to-use, DMSO solution
纯度:	≥99% (powder)
浓度:	50 mM
包装规格:	100 μ L
储存温度:	-20°C
参考文献:	

- Willson, T.M., Cobb, J.E., Cowan, D.J., et al. The structure-activity relationship between peroxisome proliferator-activated receptor γ agonism and the antihyperglycemic activity of thiazolidinediones. *J Med Chem* 39 665-668 (1996).
- Cantello, B.C.C., Cawthorne, M.A., Cottam, G.P., et al. [[ω -(Heterocyclylamino)alkoxy]benzyl]-2,4-thiazolidinediones as potent antihyperglycemic agents. *J Med Chem* 37 3977-3985 (1994).
- Lehmann, J.M., Moore, L.B., Smith-Oliver, T.A., et al. An antidiabetic thiazolidinedione is a high affinity ligand for peroxisome proliferator-activated receptor γ (PPAR γ). *J Biol Chem* 270 12953-12956 (1995).

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