

Datasheet

Inhibitors / Agonists / Screening Libraries

A DRUG SCREENING EXPERT

Product Name : Inolitazone dihydrochloride
Catalog Number : T15580
CAS Number : 223132-38-5
Molecular Formula : C₂₇H₂₈Cl₂N₄O₄S
Molecular Weight : 575.51

Description: Inolitazone dihydrochloride is a novel high-affinity agonist of PPAR_γ. It is dependent upon PPAR_γ for its biological activity (IC₅₀: 0.8 nM for growth inhibition).

Storage: 2 years -80°C in solvent; 3 years -20°C powder;

Solubility	DMSO	25 mg/mL (43.44 mM), Need ultrasonic
	H ₂ O	< 0.1 mg/mL (insoluble)
	(< 1 mg/ml refers to the product slightly soluble or insoluble)	

Receptor (IC₅₀)	PPAR _γ	
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Reference

- Copland JA, et al. Novel high-affinity PPAR_γ agonist alone and in combination with paclitaxel inhibits human anaplastic thyroid carcinoma tumor growth via p21WAF1/CIP1 Oncogene. 2006 Apr 13;25(16):2304-17.
- Marlow LA, et al. Reactivation of suppressed RhoB is a critical step for the inhibition of anaplastic thyroid cancer growth. Cancer Res. 2009 Feb 15;69(4):1536-44.

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