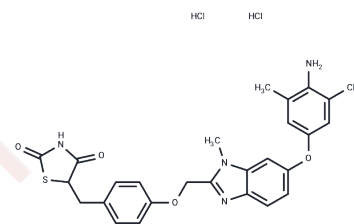


Inolitazone dihydrochloride

Chemical Properties

CAS No. : 223132-38-5
 Formula: C₂₇H₂₈Cl₂N₄O₄S
 Molecular Weight: 575.51
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Inolitazone dihydrochloride is an effective, high-affinity PPAR γ agonist; its biological activity is dependent on PPAR γ (IC ₅₀ :0.8 nM) to inhibit cell growth. Inolitazone dihydrochloride enhances the role of cell cycle kinase inhibitor p21 WAF1/CIP1.
Targets(IC ₅₀)	PPAR

Solubility Information

Solubility	DMSO: 25 mg/mL (43.44 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (3.48 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7376 mL	8.6879 mL	17.3759 mL
5 mM	0.3475 mL	1.7376 mL	3.4752 mL
10 mM	0.1738 mL	0.8688 mL	1.7376 mL
50 mM	0.0348 mL	0.1738 mL	0.3475 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Copland JA, et al. Novel high-affinity PPARgamma 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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