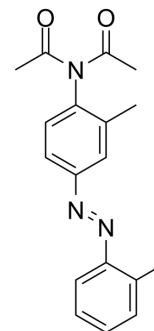


Diacetazolol

Cat. No.:	HY-B2187		
CAS No.:	83-63-6		
Molecular Formula:	C ₁₈ H ₁₉ N ₃ O ₂		
Molecular Weight:	309.36		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (323.25 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.2325 mL	16.1624 mL	32.3248 mL
		5 mM	0.6465 mL	3.2325 mL	6.4650 mL
10 mM		0.3232 mL	1.6162 mL	3.2325 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: 2.5 mg/mL (8.08 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.08 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Diacetazolol inhibits dioxin-induced ethoxyresorufin-O-deethylase (EROD) activity with IC ₅₀ of 75±4 nM. Diacetazolol extracts from patent US20070032458, compound 3.
IC ₅₀ & Target	IC ₅₀ : 75±4 nM (Dioxin-induced EROD activity) ^[1]
In Vitro	Diacetazolol has activity for inhibiting dioxin toxicity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Pann Suh, et al. Compound having activity for inhibiting dioxin toxicity, pharmaceutical composition comprising the compound and method for treating disease resulting from dioxin toxicity using the compound .US 20070032458 A1.

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

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