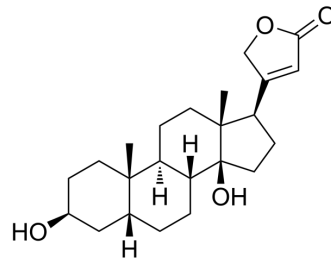


Digitoxigenin

Cat. No.:	HY-B2151
CAS No.:	143-62-4
Molecular Formula:	C ₂₃ H ₃₄ O ₄
Molecular Weight:	374.51
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (333.77 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.6702 mL	13.3508 mL	26.7016 mL
5 mM	0.5340 mL	2.6702 mL	5.3403 mL
10 mM	0.2670 mL	1.3351 mL	2.6702 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Digitoxigenin is a steroid derivative commonly found in various plants, especially the foxglove plant (*Digitalis purpurea*). Digitoxigenin has unique chemical properties that make it an important precursor for the synthesis of cardiac glycosides, a group of drugs used to improve heart failure and certain types of arrhythmias. It works by inhibiting the sodium potassium ATPase pump, thereby increasing the force and efficiency of cardiac contractions.

In Vitro

Digitoxigenin is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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