

## Digitoxigenin

## Chemical Properties

CAS No.:	143-62-4
Formula:	C <sub>23</sub> H <sub>34</sub> O <sub>4</sub>
Molecular Weight:	374.52
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	Digitoxigenin is a precursor of cardiac glycosides that acts by targeting the metastatic uveal melanoma gene signature.
-------------	---

## Solubility Information

Solubility	DMSO: Soluble ( < 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.670 mL	13.350 mL	26.701 mL
5 mM	0.534 mL	2.670 mL	5.340 mL
10 mM	0.267 mL	1.335 mL	2.670 mL
50 mM	0.053 mL	0.267 mL	0.534 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Prinsloo G, Marokane CK, Street RA. Anti-HIV activity of southern African plants: Current developments, phytochemistry and future research. J Ethnopharmacol. 2018 Jan 10;210:133-155. doi: 10.1016/j.jep.2017.08.005. Epub 2017 Aug 12. Review. PubMed PMID: 28807850.
2. Ng SC. Emerging leadership lecture: Inflammatory bowel disease in Asia: emergence of a "Western" disease. J Gastroenterol Hepatol. 2015 Mar;30(3):440-5. doi: 10.1111/jgh.12859. Review. PubMed PMID: 25469874.
3. Manunta P, Ferrandi M, Messaggio E, Ferrari P. A new antihypertensive agent that antagonizes the prohypertensive effect of endogenous ouabain and adducin. Cardiovasc Hematol Agents Med Chem. 2006 Jan;4(1):61-6. Review. PubMed PMID: 16529550.
4. Ferrandi M, Manunta P, Ferrari P, Bianchi G. The endogenous ouabain: molecular basis of its role in hypertension and cardiovascular complications. Front Biosci. 2005 Sep 1;10:2472-7. Review. PubMed PMID: 15970509.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481