

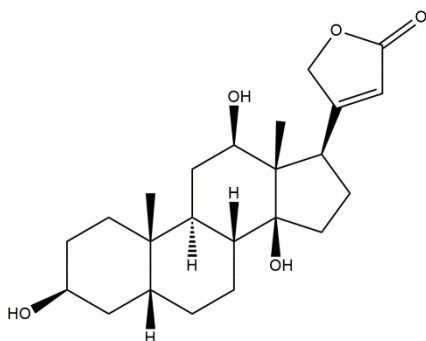
Digoxigenin

12/20

ALTERNATE NAMES: 3-[(3S,5R,8R,9S,10S,12R,13S,14S,17R)-3,12,14-trihydroxy-10,13-dimethyl-1,2,3,4,5,6,7,8,9,11,12,15,16,17-tetradecahydrocyclopenta[a]phenanthren-17-yl]-2H-furan-5-one; Lanadigenin; 3-beta,12-beta,14-Trihydroxy-card-20(22)-enolide; 4-((3S,5R,8R,9S,10S,12R,13S,14S,17R)-3,12,14-trihydroxy-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)furan-2(5H)-one

CATALOG #: B3099-10 10 mg
B3099-50 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₃H₃₄O₅

MOLECULAR WEIGHT: 390.51

CAS NUMBER: 1672-46-4

APPEARANCE: White to pale brown solid

PURITY: ≥ 95%

SOLUBILITY: Soluble in DMSO

DESCRIPTION: Digoxigenin is the aglycone of digoxin. It is commonly used as a non-radioactive labeling reagent for the detection of RNA, DNA and proteins. Digoxigenin-labeled probes are used *in situ* hybridization as an alternative to radiolabeled probes and are superior to other non-radioactive probes.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCES:

1. Komminoth, P. Digoxigenin as an alternative probe labeling for in situ hybridization. *Diagn Mol Pathol.* 1(2):142-50 (1992).
2. Tinberg., C.E., Khare, S.D., Dou, J., et al. Computational Design of Ligand Binding Proteins with High Affinity and Selectivity. *Nature.* 501(7466): 212–216 (2013).

RELATED PRODUCTS:

Sulfo-NHS-Biotin (Cat. No. 2322)
 Digoxin (Cat. No. 2911)
 FITC-Tyramide (Cat. No. B3054)
 Cardiolipin probe (Cat. No. B1183)
 EZDetect™ Lithium Probe (Cat. No. B1548)

DISCLAIMER: **FOR RESEARCH USE ONLY! Not to be used on humans.**