

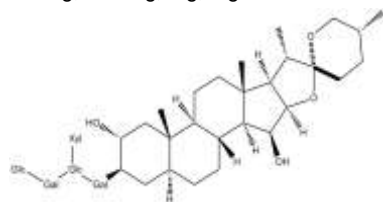
## Digitonin, Water-Soluble

**ALTERNATE NAME:** Digitin

**CATALOG #:** 2081-100, 250, 1000, 5000

**AMOUNT:** 100 mg, 250 mg, 1 g, 5 g

**STRUCTURE:**



**MOLECULAR FORMULA:**  $C_{56}H_{92}O_{29}$

**MOLECULAR WEIGHT:** 1229.31

**CAS NUMBER:** 11024-24-1

**APPEARANCE:** White solid

**SOLUBILITY:** Warm  $H_2O$  (~ 50 mg/ml) or warm EtOH (~ 25 mg/ml).

**STORAGE:** Store at  $-20$  °C. Protect from air and moisture.

**DESCRIPTION:** Digitonin is a steroid glycoside from *Digitalis purpurea*. It belongs to the class of non-ionic detergents commonly used for solubilization of membrane proteins and permeabilization cellular and nuclear membranes. It permeabilizes plasma membranes of eukaryotic cells by complexing with membrane cholesterol and other unconjugated  $\beta$ -hydroxysterols.

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

### RELATED PRODUCTS:

- ASB-14 (**Cat. No. 1738-5G, 25G**)
- CHAPS, High Purity (**Cat. No. 1545-10G, 50G, 500G, 1 Kg**)
- NP-40 Substitute Detergent, MegaPure™ 10% Solution (**Cat. No. 2127-50, 100, 500**)
- Octyl- $\beta$ -D-glucopyranoside (**Cat. No. 1646-5G, 25G, 50G**)
- NP-40 (10% Solution in  $H_2O$ ) (**Cat. No. 2111-100**)
- SDS Solution (10% Solution in  $H_2O$ ) (**Cat. No. 2102-100**)
- Sulfobetaine 3-16 (**Cat. No. 1777-5G, 25G**)
- Triton X-100 (10% Solution in  $H_2O$ ) (**Cat. No. 2104-100**)
- Triton X-100), MegaPure™ Detergent, 10% Solution (**Cat. No. 2124-50, 100, 500**)
- Tween® 20 (10% Solution in  $H_2O$ ) (**Cat. No. 2111-100**)
- Tween® 20, MegaPure™, Detergent, 10% Solution (**Cat. No. 2125-50, 100, 500**)

**FOR RESEARCH USE ONLY! Not to be used in humans.**