

## Digitonin

货号: D0810

储存条件: 粉末-20°C 可保存 3-6 个月; 液体-80°C 可保存 12 个月。

### 产品描述

Digitonin, a glycoside obtained from *Digitalis purpurea*, could increase cell permeability by binding to cholesterol molecules and reduce tumor growth. Digitonin enhanced the tumour-growth-retarding effect of CBDCA (carboplatin) given intra-arterially at 5 mg/kg but not at 25 mg/kg. Pretreatment with digitonin increases the tumour uptake of CBDCA and potentiates the cytotoxic effect of CBDCA. Digitonin is thus useful both for selectively permeabilizing the plasma membrane and for intensifying the appearance of intracellular structures such as microfilaments that are normally difficult to observe in cells such as hepatocytes]. Perfusing a rat liver with digitonin in the concentration range 2-20 mg/ml results in complete decolorization of the organ within 45-250s. The activity of rat liver microsomal squalene epoxidase is inhibited effectively by digitonin. The inhibition of squalene epoxidase by digitonin is concentration-dependent and takes place rapidly within 5 min of exposure of the microsomes to digitonin. Only 40% inhibition of cyclase activity is observed at 1 mg/ml of digitonin.

### 作用机制

Bortezomib inhibits proteasome by reversibly binding to the chymotrypsin-like subunit of the proteasome.

储存液制备	质量	1 mg	5 mg	10 mg
	1 mM	0.8135 mL	4.0673 mL	8.1346 mL
	5 mM	0.1627 mL	0.8135 mL	1.6269 mL
	10 mM	0.0813 mL	0.4067 mL	0.8135 mL

### 产品性质

CAS 号	11024-24-1	
分子式	C <sub>56</sub> H <sub>92</sub> O <sub>29</sub>	
别名	Digitin;NSC 23471;NSC 237417;洋地黄皂苷	
分子量	1229.31	
溶解度	DMSO	95.0 mg/mL (77.3 mM) warming
	Water	50.0 mg/mL (40.7 mM) warming





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