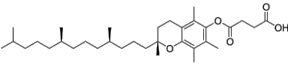


# D-α-Tocopherol Succinate

货号: B26892



## 产品信息

生物活性	D-α-Tocopherol Succinate (Vitamin E succinate) is an antioxidant tocopherol and a salt form of vitamin E. D-α-Tocopherol Succinate inhibits <a href="#">Cisplatin</a> (HY-17394)-induced cytotoxicity. D-α-Tocopherol Succinate can be used for the research of <a href="#">cancer</a> .
CAS	4345-03-3
中文名称	
分子量	530.78
体外研究	<p>D-α-Tocopherol Succinate (1-20 μM; 24 hours) shows cytotoxicity to HEI-OC1 cells. D-α-Tocopherol Succinate (10 μM; 48 hours) protects HEI-OC1 cells against cisplatin-induced cytotoxicity and inhibits caspase-3 activity. D-α-Tocopherol Succinate (0-50 μM; 18 hours) shows cytotoxicity to TC-1 tumor cells.</p> <p><b>The accuracy of these methods have not been independently confirmed. They are for reference only.</b></p> <p>Cell Cytotoxicity Assay</p> <p>Cell Line: HEI-OC1 cell line</p> <p>Concentration: 1-20 μM</p> <p>Incubation Time: 24 hours</p> <p>Result: Significantly induced cytotoxicity at a concentration of 20 μM and showed a higher cytotoxicity potency compared with 10 μM.</p> <p>Cell Viability Assay</p> <p>Cell Line: HEI-OC1 cell line</p> <p>Concentration: 0, 25 and 50 μM</p> <p>Incubation Time: 48 hours</p> <p>Result: Increased cisplatin-induced cell population. Inhibited cisplatin-induced necrotic, ROS production and late apoptosis. Decreased cleaved PARP and inhibited the expression of caspase-3 which related to cisplatin-induced apoptosis.</p> <p>Cell Cytotoxicity Assay</p> <p>Cell Line: TC-1 tumor cells</p> <p>Concentration: 0, 25 and 50 μM</p> <p>Incubation Time: 18 hours</p> <p>Result: Dose-dependently showed cytotoxic and induced a higher percentage of necrotic TC-1 cells as opposed to apoptotic cells.</p>

体内研究																													
形式	Solid																												
运输条件	Room temperature in continental US; may vary elsewhere.																												
保存条件																													
溶解性	<p>In Vitro: <b>DMSO : 250 mg/mL (471.00 mM; Need ultrasonic)</b></p> <p>配制储备液</p> <table><tr><td>浓度</td><td>溶剂</td><td>体积</td><td>质量</td><td>1 mg</td><td>5 mg</td><td>10 mg</td></tr><tr><td>1 mM</td><td>1.8840 mL</td><td>9.4201 mL</td><td>18.8402 mL</td><td></td><td></td><td></td></tr><tr><td>5 mM</td><td>0.3768 mL</td><td>1.8840 mL</td><td>3.7680 mL</td><td></td><td></td><td></td></tr><tr><td>10 mM</td><td>0.1884 mL</td><td>0.9420 mL</td><td>1.8840 mL</td><td></td><td></td><td></td></tr></table> <p>*</p> <p>请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液；一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。</p> <p>储备液的保存方式和期限：-80℃, 6 months; -20℃, 1 month。-80℃ 储存时，请在 6 个月内使用，-20℃ 储存时，请在 1 个月内使用。</p>	浓度	溶剂	体积	质量	1 mg	5 mg	10 mg	1 mM	1.8840 mL	9.4201 mL	18.8402 mL				5 mM	0.3768 mL	1.8840 mL	3.7680 mL				10 mM	0.1884 mL	0.9420 mL	1.8840 mL			
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