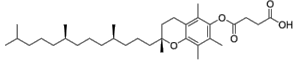


D- α -Tocopherol Succinate

货号: **AYB26892**



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 Cisplatin (HY-17394)-induced cytotoxicity. D- α -Tocopherol Succinate can be used for the research of cancer .
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>The accuracy of these methods have not been independently confirmed. They are for reference only.</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: 10 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: DMSO : 250 mg/mL (471.00 mM; Need ultrasonic)</p> <p>配制储备液</p> <table> <thead> <tr> <th>浓度</th> <th>溶剂</th> <th>体积</th> <th>质量</th> </tr> </thead> <tbody> <tr> <td>1 mg</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td>1.8840 mL</td> <td>9.4201 mL</td> <td>18.8402 mL</td> </tr> <tr> <td>5 mM</td> <td>0.3768 mL</td> <td>1.8840 mL</td> <td>3.7680 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1884 mL</td> <td>0.9420 mL</td> <td>1.8840 mL</td> </tr> </tbody> </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°C, 6 months; -20°C, 1 month。-80°C 储存时，请在 6 个月内使用，-20°C 储存时，请在 1 个月内使用。</p>	浓度	溶剂	体积	质量	1 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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