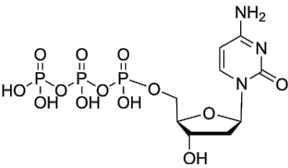


Deoxycytidine triphosphate

货号: **B26772**



产品信息

生物活性	Deoxycytidine triphosphate (dCTP) is a nucleoside triphosphate that can be used for DNA synthesis . Deoxycytidine triphosphate has many applications, such as real-time PCR , cDNA synthesis, and DNA sequencing.																												
CAS	2056-98-6																												
中文名称	脱氧胞苷三磷酸																												
分子量	467.16																												
体外研究	<p>Assays of thirteen cell lines, derived from mouse lymphomas, myelomas, myeloid tumors, and a mastocytoma, for sensitivity to growth inhibition by 1-β-D-arabinofuranosylcytosine (ara-C) revealed a spectrum between the most and least sensitive which differed 100-fold from each other. An inverse correlation between sensitivity and cellular Deoxycytidine triphosphate (2′-Deoxycytidine-5′-triphosphate, dCTP) content is found, and this suggested that sensitivity of cells might be increased if the dCTP content was lowered during cell exposure to ara-C.</p> <p>Deoxycytidine triphosphate trisodium salt is a phosphoethanolamine cytidyltransferase substrate.</p> <p>The accuracy of these methods have not been independently confirmed. They are for reference only.</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: H₂O : 50 mg/mL (107.03 mM; Need ultrasonic)</p> <table><tr><td>配制储备液</td><td></td><td></td><td></td></tr><tr><td>浓度</td><td>溶剂</td><td>体积</td><td>质量</td></tr><tr><td></td><td></td><td>1 mg</td><td>5 mg</td><td>10 mg</td></tr><tr><td>1 mM</td><td>2.1406 mL</td><td>10.7030 mL</td><td>21.4059 mL</td><td></td></tr><tr><td>5 mM</td><td>0.4281 mL</td><td>2.1406 mL</td><td>4.2812 mL</td><td></td></tr><tr><td>10 mM</td><td>0.2141 mL</td><td>1.0703 mL</td><td>2.1406 mL</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>	配制储备液				浓度	溶剂	体积	质量			1 mg	5 mg	10 mg	1 mM	2.1406 mL	10.7030 mL	21.4059 mL		5 mM	0.4281 mL	2.1406 mL	4.2812 mL		10 mM	0.2141 mL	1.0703 mL	2.1406 mL	
配制储备液																													
浓度	溶剂	体积	质量																										
		1 mg	5 mg	10 mg																									
1 mM	2.1406 mL	10.7030 mL	21.4059 mL																										
5 mM	0.4281 mL	2.1406 mL	4.2812 mL																										
10 mM	0.2141 mL	1.0703 mL	2.1406 mL																										
纯度	≥98.0%																												

