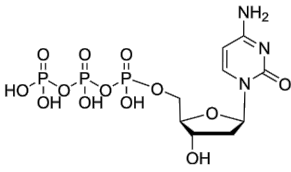


# Deoxycytidine triphosphate

货号: **AYB26772**



## 产品信息

生物活性	Deoxycytidine triphosphate (dCTP) is a nucleoside triphosphate that can be used for <b>DNA synthesis</b> . Deoxycytidine triphosphate has many applications, such as <b>real-time PCR</b> , 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><b>The accuracy of these methods have not been independently confirmed. They are for reference only.</b></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>H<sub>2</sub>O : 50 mg/mL (107.03 mM; Need ultrasonic)</b></p> <p>配制储备液</p> <table border="1"> <thead> <tr> <th>浓度</th> <th>溶剂</th> <th>体积</th> <th>质量</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>2.1406 mL</td> <td>10.7030 mL</td> <td>21.4059 mg</td> </tr> <tr> <td>5 mM</td> <td>0.4281 mL</td> <td>2.1406 mL</td> <td>4.2812 mg</td> </tr> <tr> <td>10 mM</td> <td>0.2141 mL</td> <td>1.0703 mL</td> <td>2.1406 mg</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 mM	2.1406 mL	10.7030 mL	21.4059 mg	5 mM	0.4281 mL	2.1406 mL	4.2812 mg	10 mM	0.2141 mL	1.0703 mL	2.1406 mg
浓度	溶剂	体积	质量														
1 mM	2.1406 mL	10.7030 mL	21.4059 mg														
5 mM	0.4281 mL	2.1406 mL	4.2812 mg														
10 mM	0.2141 mL	1.0703 mL	2.1406 mg														
纯度	≥98.0%																

