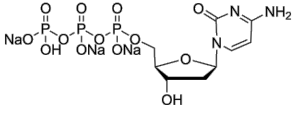


Deoxycytidine triphosphate trisodium salt

货号: **AYB26734**



产品信息

生物活性	Deoxycytidine triphosphate trisodium salt (dCTP trisodium salt) is a nucleoside triphosphate that can be used for DNA synthesis . Deoxycytidine triphosphate trisodium salt has many applications, such as real-time PCR , cDNA synthesis, and DNA sequencing.
CAS	109909-44-6
中文名称	脱氧胞苷三磷酸三钠盐; 2'-脱氧胞苷-5'-三磷酸三钠盐
分子量	533.10
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	4°C, sealed storage, away from moisture

<p>溶解性</p>	<p>In Vitro: H₂O : 250 mg/mL (468.96 mM; Need ultrasonic) DMSO : (insoluble or slightly soluble)</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>1.8758 mL</td> <td>9.3791 mL</td> <td>18.7582 mL</td> </tr> <tr> <td>5 mM</td> <td>0.3752 mL</td> <td>1.8758 mL</td> <td>3.7516 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1876 mL</td> <td>0.9379 mL</td> <td>1.8758 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 (sealed storage, away from moisture)。-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> <p>In Vivo: 请根据您的实验动物和给药方式选择适当的溶解方案。以下溶解方案都请先按照 In Vitro 方式配制澄清的储备液，再依次添加助溶剂：</p> <p>——为保证实验结果的可靠性，澄清的储备液可以根据储存条件，适当保存；体内实验的工作液，建议您现用现配，当天使用；以下溶剂前显示的百分比是指该溶剂在您配制终溶液中的体积占比；如在配制过程中出现沉淀、析出现象，可以通过加热和/或超声的方式助溶</p> <ul style="list-style-type: none"> 1. 请依序添加每种溶剂： PBS <p>Solubility: 100 mg/mL (187.58 mM); Clear solution; Need ultrasonic *以上所有助溶剂都可在 MCE 网站选购。</p>	浓度	溶剂	体积	质量	1 mM	1.8758 mL	9.3791 mL	18.7582 mL	5 mM	0.3752 mL	1.8758 mL	3.7516 mL	10 mM	0.1876 mL	0.9379 mL	1.8758 mL
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