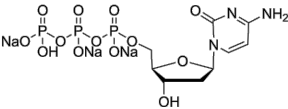


# Deoxycytidine triphosphate trisodium salt

货号: **B26734**



## 产品信息

生物活性	Deoxycytidine triphosphate trisodium salt (dCTP trisodium salt) is a nucleoside triphosphate that can be used for <b>DNA synthesis</b> . Deoxycytidine triphosphate trisodium salt has many applications, such as <b>real-time PCR</b> , 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 mastocyt oma, for sensitivity to growth inhibition by 1-β-D-arabinofuranosylcytosine (ara-C) revealed a spectrum b etween the most and least sensitive which differed 100-fold from each other. An inverse correlation betw een sensitivity and cellular Deoxycytidine triphosphate (2'-Deoxycytidine-5'-triphosphate, dCTP) content i s found, and this suggested that sensitivity of cells might be increased if the dCTP content was lowered d uring 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 referenc e 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	4°C, sealed storage, away from moisture

溶解性	<p>In Vitro:</p> <p><b>H<sub>2</sub>O : 250 mg/mL (468.96 mM);</b> Need ultrasonic)</p> <p><b>DMSO : (insoluble or slightly soluble)</b></p> <p>配制储备液</p> <table><tr><th>浓度</th><th>溶剂</th><th>体积</th><th>质量</th><th></th><th></th><th></th></tr><tr><td></td><td></td><td></td><td></td><td><b>1 mg</b></td><td><b>5 mg</b></td><td><b>10 mg</b></td></tr><tr><td>1 mM</td><td>1.8758 mL</td><td>9.3791 mL</td><td>18.7582 mL</td><td></td><td></td><td></td></tr><tr><td>5 mM</td><td>0.3752 mL</td><td>1.8758 mL</td><td>3.7516 mL</td><td></td><td></td><td></td></tr><tr><td>10 mM</td><td>0.1876 mL</td><td>0.9379 mL</td><td>1.8758 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 (sealed storage, away from moisture)。-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> <p>In Vivo:</p> <p>请根据您的<a href="#">实验动物</a>和<a href="#">给药方式</a>选择适当的溶解方案。以下溶解方案都请先按照 <b>In Vitro</b> 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"><li>1.</li></ul> <p>请依序添加每种溶剂： PBS</p> <p>Solubility: 100 mg/mL (187.58 mM); Clear solution; Need ultrasonic</p> <p>*以上所有助溶剂都可在 MCE 网站选购。</p>	浓度	溶剂	体积	质量								<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>	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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