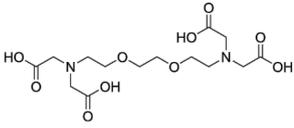


EGTA

货号: **AYB26672**



产品信息

生物活性	EGTA is a specific calcium ion chelator. EGTA has an apparent calcium dissociation constant (K_d) of 60.5 nM at physiological pH (7.4) and has very high specificity for Ca^{2+} over Mg^{2+} ($Mg^{2+} K_d$ 1-10 mM). EGTA significantly inhibits the substrate adherence capacity of inflammatory macrophages.																
CAS	67-42-5																
中文名称																	
分子量	380.35																
体外研究	<p>EGTA, proposed as endodontic irrigant, decreases substrate adherence capacity of inflammatory macrophages in a time- and dose-dependent manner. The EGTA concentration that causes an IC_{50} is 202 mM. Chelators react with calcium ions in the hydroxyapatite crystals to produce a metallic chelate. Removal of calcium ions from the dentine makes the dentinal tissue softer, especially the hydroxyapatite-rich peritubular dentin and increases the diameter of exposed dentinal tubules.</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 : 5 mg/mL (13.15 mM; ultrasonic and warming and adjust pH to 9 with NaOH and heat to 60°C) DMSO : 1 mg/mL (2.63 mM; Need ultrasonic)</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>2.6292 mL</td> <td>13.1458 mL</td> <td>26.2916 mL</td> </tr> <tr> <td>5 mM</td> <td>0.5258 mL</td> <td>2.6292 mL</td> <td>5.2583 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2629 mL</td> <td>1.3146 mL</td> <td>2.6292 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 mM	2.6292 mL	13.1458 mL	26.2916 mL	5 mM	0.5258 mL	2.6292 mL	5.2583 mL	10 mM	0.2629 mL	1.3146 mL	2.6292 mL
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