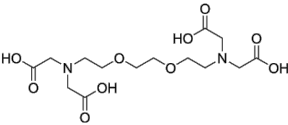


EGTA

货号: **B26672**



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 IC₅₀ 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><tr><th>浓度</th><th>溶剂</th><th>体积</th><th>质量</th></tr><tr><td>1 mg</td><td></td><td></td><td></td></tr><tr><td>5 mg</td><td></td><td></td><td></td></tr><tr><td>10 mg</td><td></td><td></td><td></td></tr></table> <p>1 mM 2.6292 mL13.1458 mL26.2916 mL 5 mM 0.5258 mL2.6292 mL 5.2583 mL 10 mM0.2629 mL1.3146 mL 2.6292 mL</p> <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 mg				5 mg				10 mg			
浓度	溶剂	体积	质量														
1 mg																	
5 mg																	
10 mg																	
纯度	≥98.0%																

