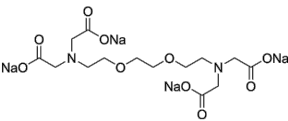


EGTA tetrasodium

货号: **B28271**



产品信息

生物活性	EGTA tetrasodium is a specific calcium ion chelator. EGTA tetrasodium 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+} ($\text{Mg}^{2+} K_d$ 1-10 mM). EGTA tetrasodium significantly inhibits the substrate adherence capacity of inflammatory macrophages.
CAS	13368-13-3
中文名称	
分子量	468.28
体外研究	<p>EGTA tetrasodium, proposed as endodontic irrigant, decreases substrate adherence capacity of inflammatory macrophages in a time- and dose-dependent manner. The EGTA tetrasodium 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	
运输条件	Room temperature in continental US; may vary elsewhere.
保存条件	Please store the product under the recommended conditions in the Certificate of Analysis.
溶解性	
纯度	