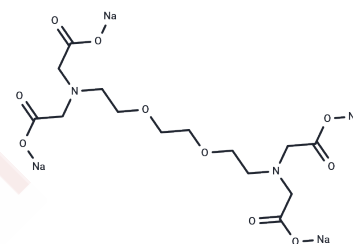


## EGTA tetrasodium

## Chemical Properties

CAS No. :	13368-13-3
Formula:	C <sub>14</sub> H <sub>20</sub> N <sub>2</sub> Na <sub>4</sub> O <sub>10</sub>
Molecular Weight:	468.28
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	EGTA tetrasodium is a specialized chelating agent for calcium ions. At physiological pH (7.4), it exhibits a dissociation constant (K <sub>d</sub> ) of 60.5 nM, indicating a high specificity for Ca <sup>2+</sup> over Mg <sup>2+</sup> . Additionally, EGTA tetrasodium significantly inhibits the substrate adhesion capability of inflammatory macrophages.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1355 mL	10.6774 mL	21.3547 mL
5 mM	0.4271 mL	2.1355 mL	4.2709 mL
10 mM	0.2135 mL	1.0677 mL	2.1355 mL
50 mM	0.0427 mL	0.2135 mL	0.4271 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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