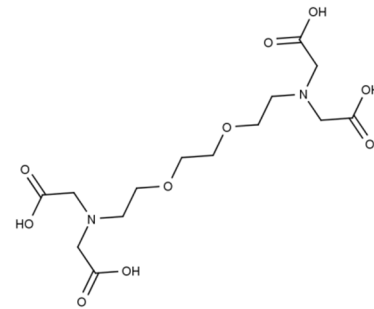




EGTA, ultra pure

Catalog No:	54648
Lot No:	XXXX
Cas No:	67-42-5
Formula:	C ₁₄ H ₂₄ N ₂ O ₁₀
MW:	380.35
Supplied as:	solid
Stability:	stable at room temperature



Background

EGTA (ethylene glycol tetraacetic acid) is an aminopolycarboxylic acid, a chelating agent. It is a colourless solid that is related to the better known EDTA. Compared to EDTA, it has a lower affinity for magnesium, making it more selective for calcium ions. It is useful in buffer solutions that resemble the environment in living cells where calcium ions are usually at least a thousandfold less concentrated than magnesium. EGTA is used as a compound in elution buffer in the protein purification technique known as tandem affinity purification, in which recombinant fusion proteins are bound to calmodulin beads and eluted out by adding EGTA.

Tests

Appearance:	white powder
DNases/RNases/Proteases:	not detectable
Assay (titr.):	≥98%
Heavy metals (Pb):	≤0.0005%

Specifications

white powder
not detectable
≥98%
≤0.0005%

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.