

Product Information

BAPTA, tetrapotassium salt

Catalog Number: B3003

Product Size: 200 mg

Application Scope: Ca²⁺ Chelator

Parameters

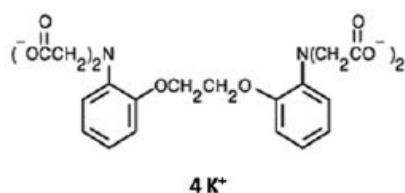
Appearance: White solid soluble in water

CAS No.: 73630-08-7

Molecular Formula: C₂₃H₂₄K₄N₂O₁₀

Molecular Weight: 656.85

Molecular Structure:



Storage

Store at 4°C. When stored as directed, product is stable for at least 12 months.

Description

BAPTA and its derivatives are calcium ion chelators that are commonly used to form stable calcium buffers, which are more selective for calcium ions than EDTA and EGTA. By injecting or incubating cells with the chelators to control the cytosolic calcium concentration, an important means to study the roles of calcium. The advantages of these calcium chelators include relative insensitivity toward intracellular pH change and fast release of calcium.

Notes

1. The recommended storage concentration of the product is 10 μM and it is soluble in Ca²⁺ free buffer.
2. The factors influencing the efficacy of the product mainly include temperature, ionic strength, viscosity, protein binding, Mg²⁺, etc.

