

Product Name: BAPTA

Catalog No.: 2786

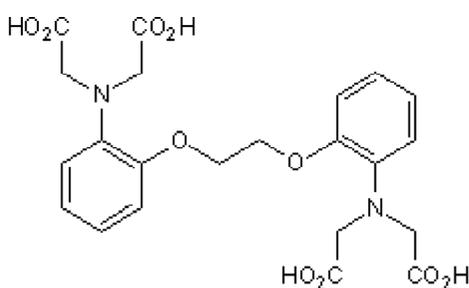
Batch No.: 7

CAS Number: 85233-19-8

IUPAC Name: 1,2-Bis(2-aminophenoxy)ethane-*N,N,N',N'*-tetraacetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₂₄N₂O₁₀
Batch Molecular Weight: 476.44
Physical Appearance: Off-white solid
Solubility: sodium bicarbonate (0.3N) to 10 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 96.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon Hydrogen Nitrogen		
Theoretical	55.46	5.08	5.88
Found	55.31	5.06	5.75

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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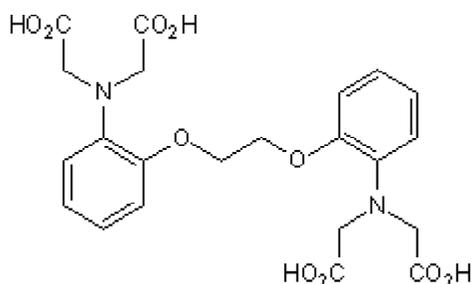
IUPAC Name: 1,2-Bis(2-aminophenoxy)ethane-*N,N,N',N'*-tetraacetic acid**Description:**

BAPTA is a selective calcium chelator.

Physical and Chemical Properties:Batch Molecular Formula: C₂₂H₂₄N₂O₁₀

Batch Molecular Weight: 476.44

Physical Appearance: Off-white solid

Minimum Purity: ≥95%**Batch Molecular Structure:****Storage:** Store at +4°C**Solubility & Usage Info:**

sodium bicarbonate (0.3N) to 10 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.**References:****Hardie** (2005) Inhibition of phospholipase C activity in *Drosophila* photoreceptors by 1,2-bis(2-aminophenoxy)ethane *N,N,N',N'*-tetraacetic acid (BAPTA) and di-bromo BAPTA. *Cell Calcium* **38** 547. PMID: 16140375.

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