Product Name: BAPTA AM  
Catalog No.: 2787  
Batch No.: 6

CAS Number: 126150-97-8

IUPAC Name: 1,2-Bis(2-aminophenoxy)ethane-\(N,N,N,N'\)-tetraacetic acid tetrakis(acetoxymethyl ester)

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \(C_{34}H_{40}N_2O_{18}\)
   Batch Molecular Weight: 764.68
   Physical Appearance: White solid
   Solubility: DMSO to 30 mM
   Storage: Store at -20°C

2. ANALYTICAL DATA

   TLC: \(R_f = 0.5\) (Ethyl acetate:Petroleum ether [1:1])
   HPLC: Shows >98.2% purity
   \(^1\)H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis: Carbon Hydrogen Nitrogen

   Theoretical: 53.4 5.27 3.66
   Found: 53.68 5.34 3.68

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

bio-techne.com  
info@bio-techne.com  
technsupport@bio-techne.com

North America  
Tel: (800) 343 7475

China  
info.cn@bio-techne.com  
Tel: +86 (21) 52380373

Europe Middle East Africa  
Tel: +44 (0)1235 529449

Rest of World  
www.tocris.com/distributors  
Tel:+1 612 379 2956

www.tocris.com
Description:
Selective calcium chelator that is the cell-permeable analog of BAPTA (Cat. No. 2786). Blocks hK1.5, hK11.1 (hERG) and hK1.3 channels (K values are 1.23, 1.30 and 1.45 μM respectively). Displays antithrombotic activity in vitro. F 127 (Cat. No. 6253) for the solubilization of BAPTA AM is also available.

Physical and Chemical Properties:
Batch Molecular Formula: C_{34}H_{60}N_{16}O_{18}
Batch Molecular Weight: 764.68
Physical Appearance: White solid
Minimum Purity: >95%

Storage:
Store at -20°C
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:
DMSO to 30 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. Our standard recommendations are:
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: