

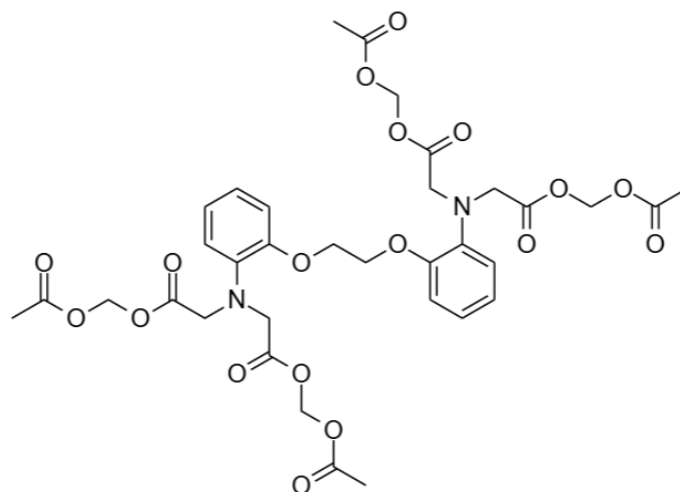
BAPTA AM



Membrane Permeable, Non-Fluorescent, Highly Selective Intracellular Calcium (Ca^{2+}) Chelator that is less sensitive to pH fluctuations than EGTA and EDTA. Commonly used for intracellular calcium calibrations.

Available in these sizes:

1081U	25 mg x 1
1081T	1 mg x 25



Description	
CAS number	126150-97-8
PubChem CID	2293
Molecular Weight	764 g/mol
Solubility	DMSO
K_d	107 nM
Storage	-20°C
Appearance	White powder or clear to white film
Container	1.5 mL polypropylene cryogenic vial

LCMS	Agilent 1220 Infinity II
Column	Phenomenex 00D-4251-E0 Luna C ₁₈ , 4.6 x 100 mm, 100Å, 3 µm
UV-Vis Diode Array Detector	254 nm
Purity	≥ 95%
Single Quad MS Detector	ESI positive
Molecular Ion	765.2 ± 0.5 m/z [M+H] ⁺ 787.2 ± 0.5 m/z [M+Na] ⁺

Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer
Solvent*	High Calcium (Ca^{2+}) Buffer Solution
Absorbance max	276 ± 3 nm

¹ H NMR Spectrum	Bruker Avance 400
Solvent	CDCl ₃
Spectra	Product conforms to structure

Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax Plus Spectrofluorometer
Solvent*	High Calcium (Ca^{2+}) Buffer Solution
Excitation max**	276**
Emission max**	363**

*Note: AM Esters are hydrolyzed to the ion sensing form

**Note: BAPTA AM is very weakly fluorescent and may not be detectable under *in vivo* conditions. Fluorescence information provided for reference purposes only.