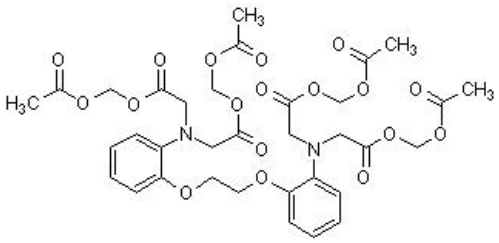
abcam

Product datasheet

BAPTA-AM, Ca2+ chelator ab120503

28 References 2 图像

概述

产品名称	BAPTA-AM, Ca2+ chelator
描述	Selective Ca^{2+} chelator. Analog of BAPTA.
生物学描述	Selective Ca^{2+} chelator. Cell-permeable analog of BAPTA (**ab120449**). Useful for manipulation of intracellular free Ca^{2+} levels. Shows varied biological activity. Blocks $hK_V1.5$, $K_V11.1$ (hERG) and $hK_V1.3$ channels (K_i values are 1.23, 1.30 and 1.45 µM, respectively).
CAS编号	126150-97-8
化学结构	

性能

化学名称	1,2-Bis(2-aminophenoxy)ethane-*N*,*N*,*N*',*N*'-tetraacetic acid tetrakis(acetoxymethyl ester)
分子量	764.68
分子式	$C_{34}H_{40}N_2O_{18}$
PubChem识别号	2293
存放说明	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in DMSO to 100 mM
处理	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Refer to SDS for further information. For more information on AM esters please visit our **AM esters FAQ page**.

Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.

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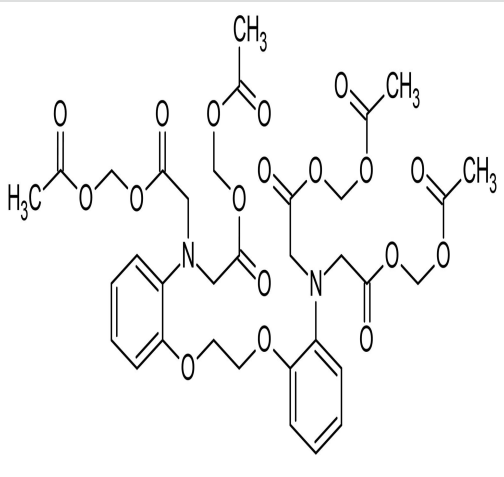
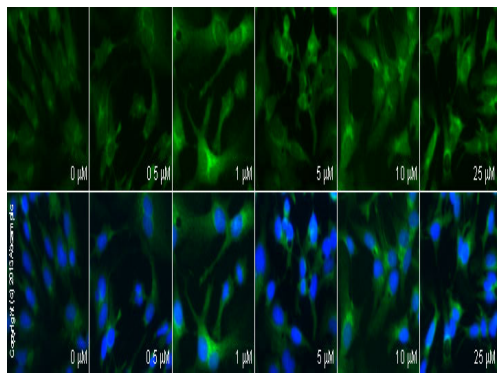
来源 Synthetic

图片



Chemical Structure - BAPTA-AM, Ca^{2+} chelator (ab120503)

2D chemical structure image of ab120503, BAPTA-AM, Ca2+ chelator



Immunocytochemistry/ Immunofluorescence - BAPTA-AM, Ca2+ chelator (ab120503)

ab66705 staining PAI1 in HepG2 cells treated with BAPTA-AM (ab120503), by ICC/IF. Increase in PAI1 expression correlates with increased concentration of BAPTA-AM, as described in literature. The cells were incubated at 37°C for 4 hours in media containing different concentrations of ab120503 (BAPTA-AM) in DMSO, fixed with 100% methanol for 5 minutes at -20°C and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab66705** (5 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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