Product datasheet

Bafilomycin A1, (V)-ATPase inhibitor ab120497

12 References   2 Images

Overview

Product name: Bafilomycin A1, (V)-ATPase inhibitor
Description: Highly potent, selective (V)-ATPase inhibitor
CAS Number: 88899-55-2
Chemical structure:

Properties

Molecular weight: 622.84
Molecular formula: C₃₅H₅₈O₉
Storage instructions: Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview: Soluble in ethanol to 5mM
Handling: This product is supplied in one (or more) pack size which is freeze dried. Therefore the contents may not be readily visible, as they can coat the bottom or walls of the vial. Please see our FAQs and information page for more details on handling.

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.

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

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Source: Streptomyces griseus
Immunocytochemistry/ Immunofluorescence - Bafilomycin A1, (V)-ATPase inhibitor (ab120497)

Ab155686 staining SQSTM1/p62 (autophagosome) in control HeLa cells treated with ethanol 0.1% (left panels) and SQSTM1/p62 in HeLa cells treated with 1μM bafilomycin A1 (ab120497) for 18hrs (right panels). The cells were fixed with methanol (5min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with ab155686 at 1/500 dilution and ab7291 (Tubulin) at 1/1000 dilution overnight at +4°C, followed by a further incubation at room temperature for 1h with a goat secondary antibody to rabbit IgG (Alexa Fluor® 488) (ab150081) at 2 μg/ml (shown in green) and a goat secondary antibody to mouse IgG (Alexa Fluor® 594) (ab150120) at 2 μg/ml (shown in pseudo color red). Nuclear DNA was labelled in blue with DAPI.

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Ab109012 staining SQSTM1/p62 (autophagosome) in control HeLa cells treated with ethanol 0.1% (left panels) and SQSTM1/p62 in HeLa cells treated with 1μM bafilomycin A1 (ab120497) for 18hrs (right panels). The cells were fixed with methanol (5min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with ab109012 at 5μg/ml and ab7291 (Tubulin) at 1/1000 dilution overnight at +4°C, followed by a further incubation at room temperature for 1h with a goat secondary antibody to rabbit IgG (Alexa Fluor® 488) (ab150081) at 2 μg/ml (shown in green) and a goat secondary antibody to mouse IgG (Alexa Fluor® 594) (ab150120) at 2 μg/ml (shown in pseudo color red). Nuclear DNA was labelled in blue with DAPI.

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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