

Aureobasidin A(AbA)

Code No. 9000

Size: 1 mg

Shipping at RT

Stored at RT

Storage : Store at room temperature and in a dry condition
(at 4°C as a reconstituted solution).

Lot No.

Description:

Aureobasidin A (AbA) is a cyclic depsipeptide antibiotic with a molecular weight of 1,100, isolated from *Aureobasidium pullulans* R106. Aureobasidin A is toxic at a low concentration (0.1–5.0 µg/ml) against fungi (including yeast), such as *Saccharomyces cerevisiae*, *Schizosaccharomyces pombe*, *Candida albicans* and *Aspergillus nidulans*.

Form: Lyophilized

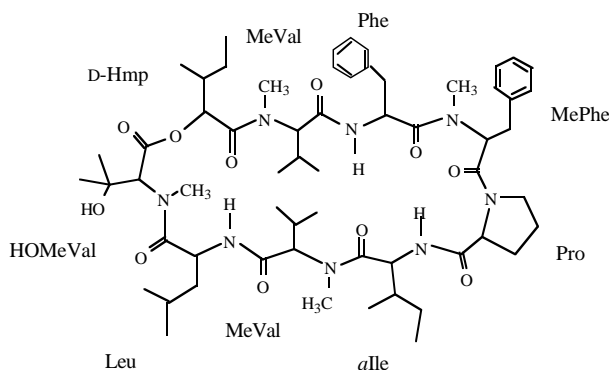
Properties:

Molecular weight: 1,100

Melting point : 155-157°C

Origin: *Aureobasidium pullulans* R106

Structure of aureobasidin A



Purity:

Confirmed to contain $\geq 95\%$ Aureobasidin A by HPLC analysis.

Reconstitution:

Dissolve in ethanol or methanol to a concentration of 0.5-5.0 mg/ ml to make a stock solution. Reconstituted solution should be stored at 4°C. Almost insoluble in water.

Usage:

It is suitable for selection of transformant of budding yeast *S. cerevisiae* using vectors pAUR101, pAUR112, pAUR123 or pAUR135, which include Aureobasidin A resistant gene *AUR1-C* originated from *Saccharomyces cerevisiae* as a selective marker. Similarly it is available for *Schizo. pombe* (pAUR224) and *A. nidulans* (pAUR316).

Reference:

1. Takesako, K., Kuroda, H., Inoue, T., Haruna, F., Yoshikawa, Y., Kato, I., Uchida, K., Hiratani, T. and Yamaguchi, H. (1993) *J. Antibiot.* **46**, 1414-1420.
2. Hashida-Okado, T., Ogawa, A., Endo, M., Yasumoto, R., Takesako, K. and Kato, I. (1995) *FASEB J.* **9**, A1371.

Note

1. For research use only. Not for use in diagnostic or therapeutic procedures. (Any transformants or biomaterials obtained by using this product are prohibited to be transferred to third parties.)
2. Users must contact TAKARA when they plan to use this product for purposes other than research use.