

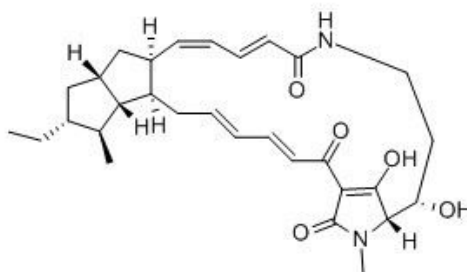
# Aburatubolactam A Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

## [ Product Information ]

**Name:** Aburatubolactam A**Catalog No.:** CFN00101**Cas No.:** 170894-24-3**Purity:** > 95%**M.F:** C<sub>30</sub>H<sub>40</sub>N<sub>2</sub>O<sub>5</sub>**M.W:** 508.66**Physical Description:** Powder

**Synonyms:** 10,13-Metheno-13H-pentaleno[2,1-l][1,6]diazacycloheneicosine-5,12,14(19H)-trione,21-ethyl-6,7,8,9,10,11,19a,19b,20,21,22,22a,23,23a-tetradecahydro-9,24-dihydroxy-11,20-dimethyl-,(1Z,3E,9S,10S,15E,17E,19aR,19bS,20S,21R,22aR,23aS)-.



## [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

## [ Source ]

From *Streptomyces* sp.

## **[ Biological Activity or Inhibitors ]**

Aburatubolactam A , isolated from the cultured broth of a Streptomyces sp., SCRC-A20, separated from a mollusk, can potently inhibit superoxide anion generation.<sup>[1]</sup>

Aburatubolactam A has demonstrated cytotoxic activity against P388 murine leukemia cell lines (IC<sub>50</sub> = 26 ug/mL) and inhibits TPA-induced superoxide anion generation by human neutrophils; enhanced levels of superoxide anion is thought to be closely related to inflammation, cancer, and aging.<sup>[2]</sup>

## **[ Solvent ]**

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

## **[ HPLC Method ]**

Not data available.

## **[ Storage ]**

2-8°C, Protected from air and light, refrigerate or freeze.

## **[ References ]**

[1] Bae, Yamada M A , Ijuin K , *et al. Heterocycl. Commun.*, 2013, 2(4):315-8.

[2] Henderson J A. *Dissertations & Theses - Gradworks*, 2008,3308674.

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