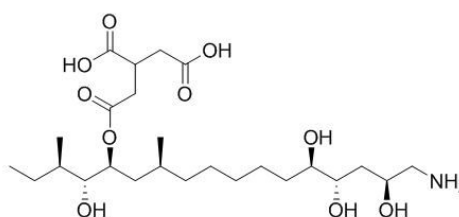


## AAL Toxin TA1 Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)**[ Product Information ]****Name:** AAL Toxin TA1**Catalog No.:** CFN00001**Cas No.:** 79367-52-5**Purity:** > 95%**M.F:** C<sub>25</sub>H<sub>47</sub>NO<sub>10</sub>**M.W:** 521.64**Physical Description:** Powder**Synonyms:** (2R,6S,12R,13S,15S)-16-amino-12,13,15-trihydroxy-4-[(1R,2R)-1-hydroxy-2-methylbutyl]-6-methylhexadecane-1,2,3-tricarboxylic acid.**[ Intended Use ]**

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

**[ Source ]**From *Alternaria alternata* f. sp. *lycopersici*.**[ Biological Activity or Inhibitors ]**

AAL-toxins TA 1 and TA 2 are host-specific toxins (HST) produced by *Alternaria alternata* f. sp. *lycopersici*, a causal fungus of tomato stem canker.<sup>[1]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: Methanol-Potassium phosphate buffer(pH=7.0)=91:9 ;

Flow rate: 2.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: excitation:335nm, emission: 440 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Oikawa H, Kagawa T, Kobayashi T, *et al.* *Symposium on the Chemistry of Natural Products, symposium papers, 1996(38):631-6.*

[2] Westhuizen L V D, Shephard G S, Snyman S D, *et al.* *Food Chem. Toxicol., 1998, 36(6):497-503.*

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