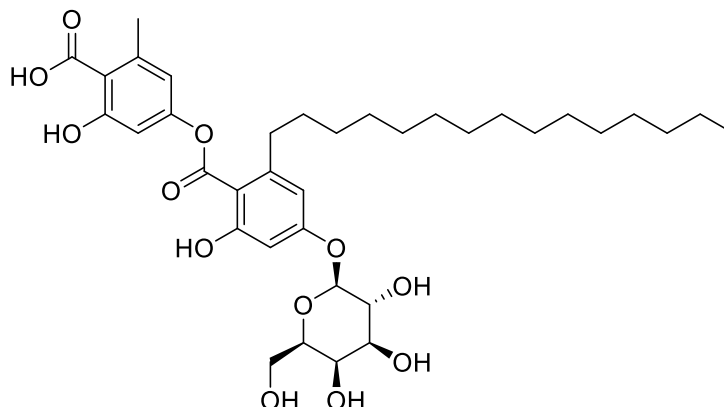


## Aquastatin A

Code No.: **BIA-A2564**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

## Specifications

CAS #	: 153821-50-2
Molecular Formula	: C <sub>36</sub> H <sub>52</sub> O <sub>12</sub>
Molecular Weight	: 676.79
Source	: Unidentified fungus
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

## Application Notes

Aquastatin A, produced by *Fusarium* sp., is an inhibitor of mammalian adenosine triphosphatases with an IC<sub>50</sub> of 7.1 μM against Na<sup>+</sup>/K<sup>+</sup>-ATPase 6.2 μM against H<sup>+</sup>/K<sup>+</sup>-ATPase. Aquastatin A is a potent inhibitor of enoyl-ACP reductase (FabI) of *Staphylococcus aureus* and is active against MRSA. Aquastatin A was patented for the treatment of gastric ulcers in 1994.

## References

1. Aquastatin A, an inhibitor of mammalian adenosine triphosphatases from *Fusarium aquaeductuum*. Taxonomy, fermentation, isolation, structure determination and biological properties. Hamano K. et al. J Antibiot 1993, 46, 1648.
2. Aquastatin A, a new inhibitor of enoyl-acyl carrier protein reductase from *Sporothrix* sp. FN611. Kwon Y-J. Biol Pharm Bull 2009, 32, 2061.
3. Aquastatin A manufacture with *Fusarium* for use in treatment of gastric ulcers. Hamano K. et al. Jpn. Kokai Tokkyo Koho 1994, JP 06247900 A 19940906.