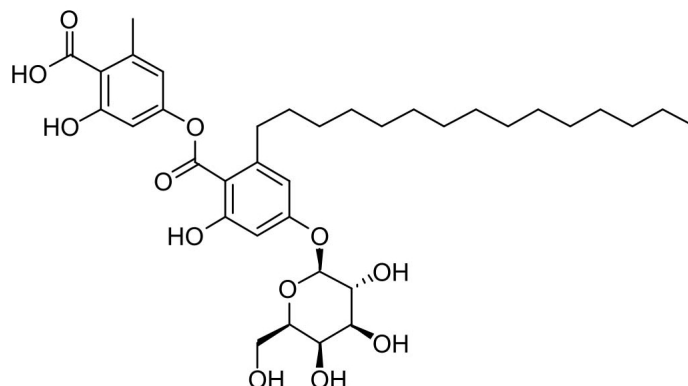


Aquastatin A

Pack sizes.: 0.5mg, 2.5mg



Synonyms:

-

Specifications

CAS #	: 153821-50-2
Molecular Formula	: C36H52O12
Molecular Weight	: 676.79
Source	: -
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 IC₅₀ of 7.1 microM against Na⁺/K⁺)-ATPase 6.2 microM against H⁺/K⁺)-ATPase. Aquastatin inhibits enoyl-acyl carrier protein reductase. 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.