Anabaenopeptin A

Inhibitor of protein phosphatase.

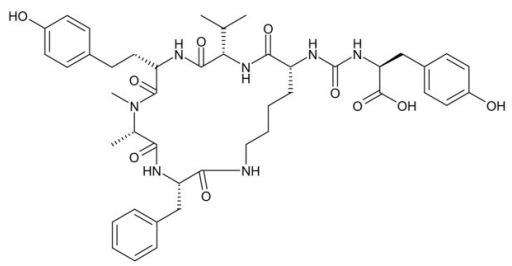
Anabaenopeptins are a highly diverse group of bioactive peptides produced by several genera of cyanobacteria such as *Anabaena, Planktothrix, Microcystis and Nodularia.* These peptides are commonly detected in cyanobacterial blooms along with the well known microcystins. Unique cyclic peptides where lysine is conserved in position 2 and cyclisation is achieved by linkage of the lysine to the C-terminal amino acid. In addition the side chain of a single amino acid is attached via a ureido bond. Bioactive peptides originally isolated from *Anabaena flos-aquae* NRC 525-17 where they were shown to be non-toxic in mice but had dose dependant relaxations in rat aortic preparations with endothelium precontracted with 0.1μM norpinephrine. Anabaenopeptins inhibit protein phosphatase.

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Ordering Information Order Online »

ALX-350-183-C100	100μg

Manuals, SDS & CofA View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Pale powder or an oil (film), depending on the lot.
Couple Target	Serine/threonine-protein phosphatase
Couple Type	Inhibitor
Formula	$C_{44}H_{57}N_7O_{10}$
Identity	Identity determined by MS.
MW	843.9
Purity	≥95% (HPLC)
RTECS	GU2294250
Solubility	Soluble in methanol.
Source	Isolated from *Microcystis aeruginosa*.

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