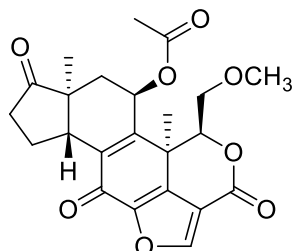


Wortmannin

Code No.: **BIA-W1224**

Pack sizes: **1 mg, 5 mg**



Synonyms : KY 12420

Specifications

CAS #	: 19545-26-7
Molecular Formula	: C₂₃H₂₄O₈
Molecular Weight	: 428.4
Source	: <i>Penicillium wortmannii</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Wortmannin is a steroidal metabolite belonging to the viridin group, isolated from *Penicillium wortmannii* in 1957. The structure was finally solved in 1968. Wortmannin exhibits broad spectrum antifungal activity, together with antitumor and antiinflammatory activity. Wortmannin is a potent inhibitor of phosphoinositide 3-kinase and myosin light chain kinase. Wortmannin also activates neutrophil and formyl-Met-Leu-Phe-mediated phospholipase D, inhibits autophagy, potentiates LPS-induced NO production and induces Alzheimer-like hyperphosphorylation in tau in vivo.

References

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