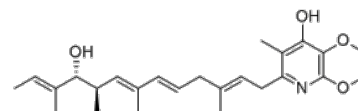


Product Name	: Piericidin A
Cat. No.	: PC-20782
CAS No.	: 2738-64-9
Molecular Formula	: C ₂₅ H ₃₇ NO ₄
Molecular Weight	: 415.57
Target	: Other Targets
Solubility	: 10 mM in DMSO



CAS: 2738-64-9

Biological Activity

Piericidin A is a natural insecticide isolated from the spore forming bacterium *Streptomyces mobaraensis*, Piericidin A is a mitochondrial NADH-ubiquinone oxidoreductase (complex I) inhibitor.

Piericidin A is a potent neurotoxin and inhibits mitochondrial respiration by disrupting the electron transport system through its action on NADH-ubiquinone reductase.

Piericidin A is a potential quorum-sensing inhibitor that suppresses the expression of the virulence genes of *Erwinia carotovora* subsp. *atroseptica* (Eca).

References

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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