

## Product Information

### Piericidin A

Product Number **P 4368**

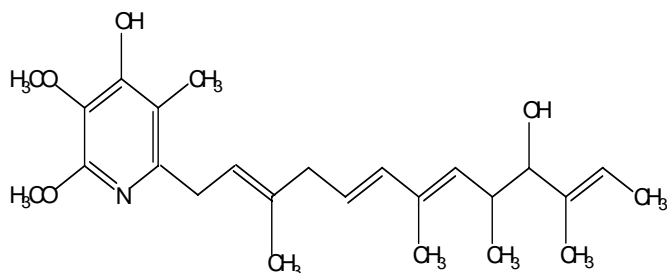
Storage Temperature 2 to 8 °C

Cas #: RN 2738-64-9

Synonyms: Piericidin A1, Shaoguamycin B,

Molecular Weight: 415.57

Molecular formula: C<sub>25</sub>H<sub>37</sub>NO<sub>4</sub>



### Product Description

Piericidin A is a potent inhibitor of the mitochondrial and bacterial type I NADH-ubiquinone oxidoreductase (Complex I). It is considered to bind to the ubiquinone binding sites of the enzyme.<sup>1,2</sup>

Piericidin A inactivation of complex I completely prevents NADH-induced proton translocation in the NADH-endogenous ubiquinone reductase reaction.<sup>3</sup>

### Reagent

Piericidin A is supplied in dimethyl sulfoxide (DMSO) at 100 µg/100µl.

Purity: > 95% by HPLC

### Precautions and Disclaimer

Consult the MSDS for information regarding hazardous and safe handling practices.

### Storage/Stability

Store at 2-8 °C. Piericidin A in DMSO is stable at room temperature for at least 1 month.

### References

1. Darrouzet, E. et al., FEBS Lett., **431**, 34 (1998).
2. Prieur, I., et al., Biochim Biophys Acta, **1504**, 173 (2001).
3. Galkin, A.S. et al., FEBS Lett., **451**, 157 (1998).

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