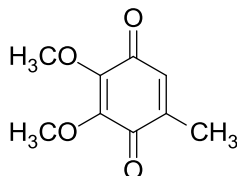


## Fumigatin methylether

Code No.: **BIA-F1658**

Pack sizes: **5 mg, 25 mg**



Synonyms : 2,3-Dihydroxy-5-methyl-1,4-benzoquinone; Coenzyme Q0; Ubiquinone 0; Ubiquinone Q0

### Specifications

CAS #	: 605-94-7
Molecular Formula	: C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>
Molecular Weight	: 182.2
Source	: Unidentified fungus
Appearance	: Red solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

### Application Notes

Fumigatin methylether (ubiquinone Q0) was first prepared as a semi-synthetic analogue of fumigatin by Anslow and Raistrick in 1938. Fumigatin methylether has since been isolated in the defensive secretions of several millipede species. Fumigatin methylether is an intermediate in the biosynthesis of Coenzyme Q and has demonstrated anti-feedant activity against aphids.

### References

1. Studies in the biochemistry of micro-organisms. Fumigatin (3-hydroxy-4-methoxy-2:5-toluquinone), and spinulosin (3:6-dihydroxy-4-methoxy-2:5-toluquinone), metabolic products respectively of *Aspergillus fumigatus* Fresenius and *Penicillium spinulosum* Thom. Anslow W.K. and Raistrick H., *Biochem. J.* 1938, 32, 687.
2. Toxicity of quinones against two-spotted spider mite and three species of aphids in laboratory and greenhouse conditions. Akhtara Y. et al., *Ind. Crops Products* 2012, 37, 536.