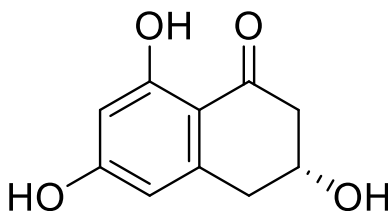


## Scytalone

Code No.: **BIA-S3074**

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



Synonyms : (+)-Scytalone, Scytalon

### Specifications

CAS #	: <b>49598-85-8</b>
Molecular Formula	: <b>C<sub>10</sub>H<sub>10</sub>O<sub>4</sub></b>
Molecular Weight	: <b>194.2</b>
Source	: <b>Unidentified fungus</b>
Appearance	: <b>Off-white solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in methanol and DMSO.</b>

### Application Notes

Scytalone is a trihydroxytetralone first isolated from *Scytaladium* sp. by Findlay and Kwan, University of New Brunswick, Canada in 1972. Scytalone has subsequently been isolated from a large number of species of diverse fungal genera. Scytalone is a pivotal intermediate of melanin biosynthesis in fungi and is considered to play an integral role in spore structural development and protecting spores from biotic and abiotic stresses.

### References

1. Findlay J.A. & Kwan D. (1973). Scytalone (3,6,8-trihydroxytetralone), a metabolite from a *Scytalidium* species. *Can. J. Chem.*, 51, 1617.
2. Bell A.A. et al. (1976). Pentaketide metabolites of *Verticillium dahliae*. Identification of (+)-scytalone as a natural precursor to melanin. *Tetrahedron*, 32, 1353.
3. Zhang P. et al. (2017). A cryptic pigment biosynthetic pathway uncovered by heterologous expression is essential for conidial development in *Pestalotiopsis fici*. *Mol. Microbiol.*, 105, 469.

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