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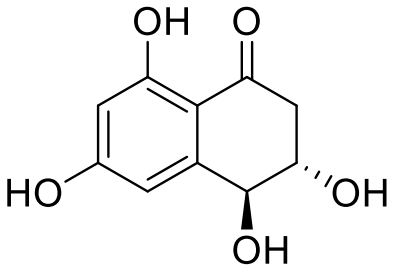
PRODUCT DATA SHEET

4-Hydroxyscytalone

Code No.: **BIA-H2991**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : *cis*-4-Hydroxyscytalone

Specifications

CAS #	:	**103614-68-2**
Molecular Formula	:	**$C_{10}H_{10}O_5$**
Molecular Weight	:	**210.2**
Source	:	***Curvularia* sp.**
Appearance	:	**Off-white solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol and DMSO.**

Application Notes

4-Hydroxyscytalone was first isolated from the rice blast pathogen, Pyricularia oryzae, reported by Iwasaki and coworkers, University of Tokyo, in 1973. The core of 4-hydroxyscytalone consists of a trihydroxy-dihydronaphthalenone. 4-Hydroxyscytalone is an intermediate in the melanin biosynthetic pathway and has noticeable activity against the plant nematode, Bursaphelenchus xylophilus.

References

1. Iwasaki S. et al. (1973). Isolations of phytotoxic substances produced by pyricularia oryzae cavara. Tetrahedron, 14, 3537.
2. Greenblatt G.A. & Wheeler M.H. (1986). HPLC analysis of fungal melanin intermediates and related metabolites. J. Liq. Chromatogr., 9, 971.
3. Zhu Y. et al. (2008). Screening and isolation of antinematodal metabolites against Bursaphelenchus xylophilus produced by fungi. Ann. Microbiol., 58, 375.

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