

# Supplementary Material: Effect of Monocerin, a Fungal Secondary Metabolite, on Endothelial Cells

Tainah Colombo Gomes, Rafael Conrado, Rodrigo Cardoso de Oliveira, Priscila Jane Romano Gonçalves Selari, Itamar Soares de Melo, Welington Luiz Araújo, Durvanei Augusto Maria and Ana Olívia De Souza

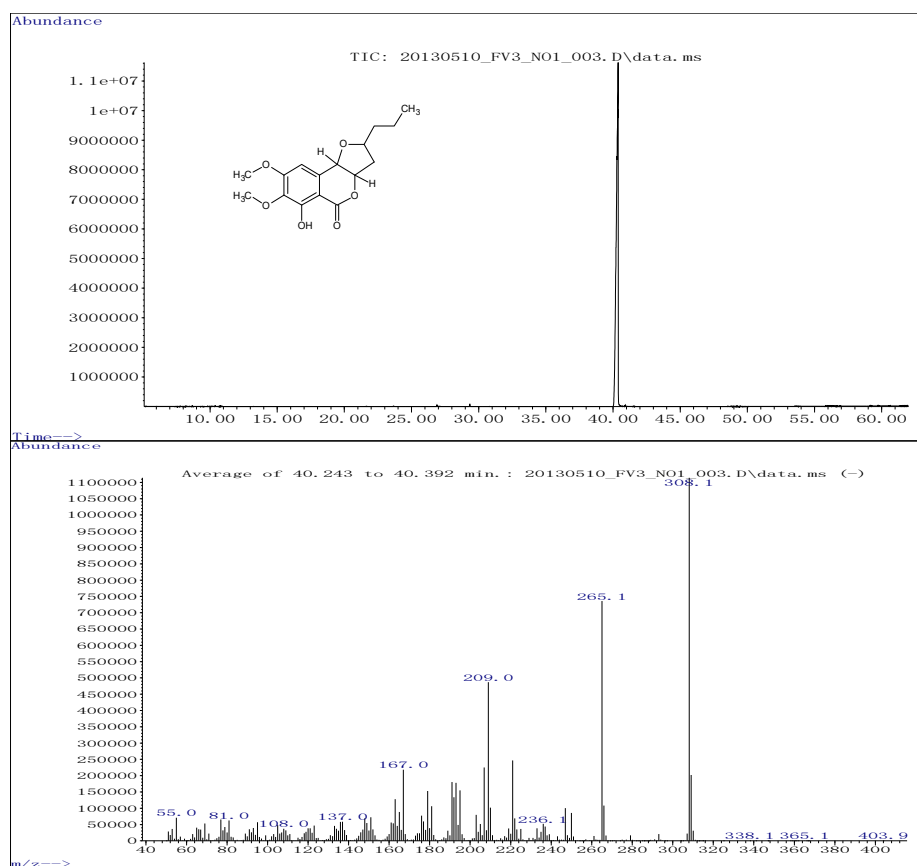
## Taxonomic identification of the fungus *E. rostratum*

The taxonomic identification of the fungus *E. rostratum* was based on the phylogenetic tree using the ITS-1 and 5.8S-ITS-2 sequences. The nucleotide sequence file is available from the NCBI database (GenBank accession number MK005195) (Table S1).

**Table S1.** Genbank accession number for sequences used in phylogenetic analysis.

Species name	Strain	Genbank number
<i>Alternaria infectoria</i>	CBS 210.86	NR_131263.1
<i>Alternaria peucedani</i>	CNU 111485	NR_151840.1
<i>Bipolaris brachiariae</i>	CPC 28819	NR_153654.1
<i>Bipolaris clavate</i>	BRIP 12530	NR_147466.1
<i>Bipolaris crotonis</i>	BRIP 15875	NR_147468.1
<i>Bipolaris secalis</i>	BRIP 14453	NR_147472.1
<i>Curvularia americana</i>	UTHSC 08-3414	NR_146239.1
<i>Curvularia hawaiiensis</i>	BRIP 11987	NR_147480.1
<i>Curvularia malina</i>	CBS 131274	NR_147461.1
<i>Curvularia micropus</i>	CBS 127235	NR_157424.1
<i>Curvularia nicotiae</i>	BRIP 11983	NR_147483.1
<i>Curvularia pseudorobusta</i>	SDAU 992347-2	NR_130653.1
<i>Curvularia tropicalis</i>	BRIP 14834	NR_147486.1
<i>Drechslera avenae</i>	CBS 279.31	NR_153967.1
<i>Drechslera brizae</i>	CBS 190.29	NR_153992.1
<i>Exserohilum fusiforme</i>	KUC5012	GQ241279.1
<i>Exserohilum gedarefense</i>	CBS 297.80	NR_155091.1
<i>Exserohilum khartoumensis</i>	CBS 132708	NR_157476.1
<i>Exserohilum longirostratum</i>	BRIP 16078	LT837826.1
<i>Exserohilum mcginnisii</i>	CBS 325.87	KT265237.1
<i>Exserohilum neoregeliae</i>	CBS 132832	NR_157457.1
<i>Exserohilum oryzicola</i>	CBS 502.90	NR_138225.1
<i>Exserohilum pedicellatum</i>	CBS 322.64	NR_157425.1
<i>Exserohilum protrudens</i>	BRIP 14814	KJ415561.1
<i>Exserohilum rostratum</i>	JN711432.1	ITF0706-2
<i>Pleospora gigaspora</i>	EGS37-017	AY329177.1
<i>Pleospora rosae</i>	MFLU 16-0254	NR_157531.1
<i>Pyrenophora semeniperda</i>	haplotype L (no strain given)	GQ168738.1

From the *E. rostratum* IAL 7247 culture, the secondary metabolite monocerin was obtained, purified and physical-chemically characterized. Figure S2 shows the GC-MS spectrum for this compound.



**Figure S1.** Profile of the monocerin (2S,3aR,9bR)-6-hydroxy-7,8-dimethoxy-2-propyl-2,3,3a,9b-tetrahydro-5H-furo [3,2-c]isochromen-5-one spectrum by gas chromatography-mass spectrometry (GC/MS, Agilent 7890/5975C).