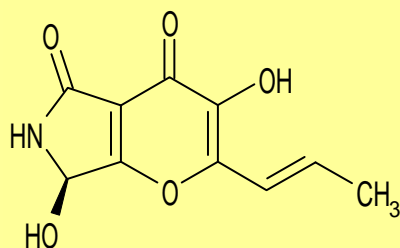


# Pyranonigrin A

Cat.# BLK0700

## Structure

**Origin:** *Aspergillus niger***CAS Registry Number:** 79786-34-8**CA Index Name:** 4-[[4-[(2,4-Dimethoxy-6-methylbenzoyl)oxy]-2-hydroxy-6-methylbenzoyl]oxy]-2-hydroxy-6-methylbenzoic Acid**Appearance:** Crystalline**Molecular Formula/ Weight:** C<sub>10</sub>H<sub>9</sub>NO<sub>5</sub>=223.18**Melting Point:** 208-209**Purity:** >95.0% by HPLC**Solubility:** Sol. in DMSO, Hot MeOH Inso. in Hexane

## Background Information:

Pyranonigrin A was produced by marine fungus *Aspergillus niger*. It was shown antioxidative activity, and next, it was shown significant suppressive effect on the expression of vascular cell adhesion molecule-1 (VCAM-1) in human umbilical vein endothelial cells (HUVECs) induced by tumor necrosis factor-alpha (TNF-alpha) (P<0.05).

## Handling and Storage:

Store at -20 .

## References:

1. J. Nat. Prod., 2007, 70 (7), pp 1180–1187
2. Bioscience, Biotechnology, and Biochemistry Vol. 71 (2007) , No. 10 pp.2515-2521
3. Bioscience, Biotechnology, and Biochemistry Vol. 72 (2008) , No. 6 pp.1580-1585

*Manufactured with Cortesy strain from The Kitasato Institute.*