

Product Name: Graphislactone A

Product Number: G065

CAS Number: 52179-44-9

Molecular Formula: $C_{16}H_{14}O_6$

Molecular Weight: 302.3

Description: Graphislactone A is the major analogue of a family of phenolic benzopyranones isolated from a mycobiont of lichens of the genus *Graphis*, first reported by Japanese researchers at Kobe Pharmaceutical University in 1997. Graphislactone A protects against oxidative injury by dose-dependent free radical scavenging and antioxidant activity.

Graphislactone A is soluble in ethanol, methanol, DMF or DMSO

References: Four phenolics from the cultured lichen mycobiont of *Graphis scripa* var. *pulverulenta*. Tanahashi T. et al. Chem. Pharm. Bull. 1997, 45, 1183.

6H-dibenzo[b,d]pyran-6-one derivatives from the cultured lichen mycobionts of *Graphis* spp. and their biosynthetic origin. Tanahashi T. et al. Phytochemistry 2003, 62, 71.

Characterization of graphislactone A as the antioxidant and free radical-scavenging substance for the culture of *Cephalosporium* sp. IFB-E001, an endophytic fungus in *Trachelospermum jasminoides*. Song Y.C. et al. Biol. Pharm. Bull. 2005, 28, 506.