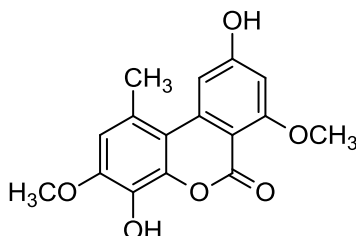


Graphislactone A

Code No.: **BIA-G1559**

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



Synonyms : Graphislactone S1

Specifications

CAS #	: 52179-44-9
Molecular Formula	: C ₁₆ H ₁₄ O ₆
Molecular Weight	: 302.3
Source	: <i>Cephalosporium</i> sp.
Appearance	: White to off white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

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.

References

1. Four phenolics from the cultured lichen mycobiont of *Graphis scripa* var. *pulverulenta*. Tanahashi T. et al., *Chem. Pharm. Bull.* 1997, 45, 1183.
2. 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.
3. 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.