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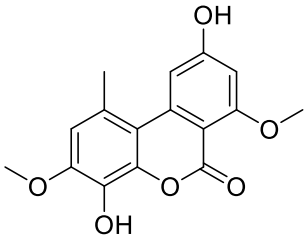
PRODUCT DATA SHEET

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	:	***Cephalosporium* sp.**
Appearance	:	**White to off white solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, 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.

For in vitro laboratory use only. Not for human or animal use.

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