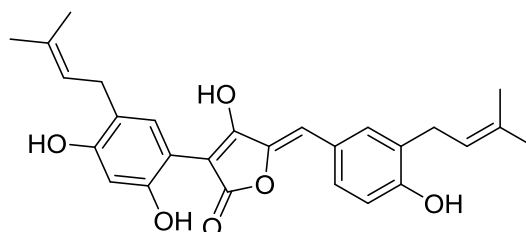


Aspulvinone O

Code No.: **BIA-A1821**

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



Synonyms :

Specifications

CAS #	: 914071-54-8
Molecular Formula	: C ₂₇ H ₂₈ O ₆
Molecular Weight	: 448.5
Source	: <i>Aspergillus</i> sp.
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Aspulvinone O is a biprenylated butyrolactone isolated from a strain of *Paecilomyces* by Chinese researchers in 2015. Aspulvinone O is a member of the larger aspulvinone family of secondary metabolites originally isolated from *Aspergillus terreus* by Seto and colleagues at Tohoku University, Japan, in 1973. Aspulvinone O exhibits antioxidant activity in the low micromolar range, via DPPH radical scavenging, and possesses antibiotic and cytotoxic activity.

References

1. New butenolide derivatives from the marine-derived fungus *Paecilomyces variotii* with DPPH radical scavenging activity. Peng Z. et al., *Phytochemistry Letters* 2015, 11, 85.
2. New butenolides from *Aspergillus terreus*. Ojima N. et al. *Phytochemistry* 1973, 12, 2527.