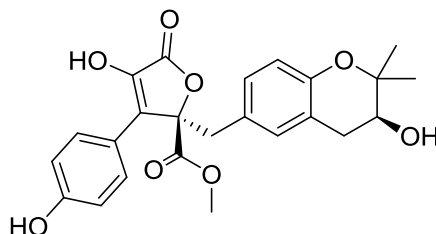


Butyrolactone V

Code No.: **BIA-B1826**

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



Synonyms :

Specifications

CAS #	: 1151509-01-1
Molecular Formula	: C ₂₄ H ₂₄ O ₈
Molecular Weight	: 440.4
Source	: <i>Aspergillus terreus</i>
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Butyrolactone V is a saturated dibenzylbutyrolactone lignan isolated from a strain of *Aspergillus* by Lin and collaborators, Xiamen University, China in 2009. Butyrolactone V is moderately active against the parasites, *Plasmodium falciparum*, *Leishmania amazonensis* and *Schistosoma mansoni*. Butyrolactone V is a DPPH radical scavenger and is cytotoxic to selected breast tumor cell lines with low toxicity to normal human fibroblasts.

References

1. Secondary metabolites of *Aspergillus* sp. F1, a commensal fungal strain of *Trewia nudiflora*. Lin T. et al., Nat. Prod. Res. 2009, 23, 77.
2. Butyrolactones from the fungus *Aspergillus terreus* BCC 4651. Haritakun R. et al., Chem. Pharm. Bull. 2010, 58, 1545.
3. Bioactive compounds of *Aspergillus terreus*-F7, an endophytic fungus from *Hyptis suaveolens* (L.) Poit. Da Silva I.P. et al., World J. Microbiol. Biotechnol. 2017, 33, 62.