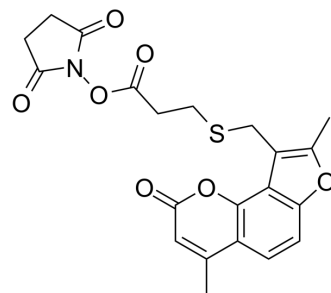


## 4,5'-Dimethylangelicin-NHS

Cat. No.:	HY-150015
Molecular Formula:	C <sub>21</sub> H <sub>19</sub> NO <sub>7</sub> S
Molecular Weight:	429.44
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	4,5'-Dimethylangelicin-NHS is a modified 4,5'-Dimethylangelicin containing an NHS. 4,5'-Dimethylangelicin is an angular furocoumarin with photochemical and photosensitizing properties. 4,5'-Dimethylangelicin can inhibit the DNA and RNA syntheses in Ehrlich ascites tumor cells after irradiation at 365 nm. 4,5'-Dimethylangelicin has potential as a photochemotherapy agent <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	DNA/RNA synthesis <sup>[2]</sup>

### REFERENCES

- [1]. Bordin F, et al. 4,5'-dimethylangelicin: a new DNA-photobinding monofunctional agent. *Photochem Photobiol.* 1979 Jun;29(6):1063-70.
- [2]. Guiotto A, et al. A new water soluble derivative of 4,5'-dimethylangelicin as a potential agent for photochemotherapy. *Farmaco Sci.* 1981 Jul;36(7):536-50.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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