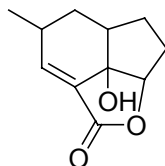


## Galiellalactone

Code: **BIA-G1032**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

### Specifications

CAS # : **133613-71-5**  
Molecular Formula : **C<sub>11</sub>H<sub>14</sub>O<sub>3</sub>**  
Molecular Weight : **194.2**  
Source : **Unidentified fungus, MST-FP1889**  
Appearance : **Light tan solid**  
Purity : **> 95% by HPLC**  
Long Term Storage : **-20°C**  
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

### Application Notes

Galiellalactone was originally isolated from *Galiella rufa* as a plant growth regulator. Recently it was shown to inhibit IL-6 induced SEAP expression with IC<sub>50</sub> values of 250-500 nM by blocking the binding of the activated Stat3 dimers to their DNA binding sites without inhibiting the tyrosine and serine phosphorylation of the Stat3 transcription factor.

### References

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2. Biologically active secondary metabolites from the ascomycete A111-95. 1. Production, isolation and biological activities. Kopcke B. et al. *J. Antibiot.* **2002**, 55, 36.
3. Synthesis of (-)-galiellalactone. Johansson M. et al. *J. Antibiot.* **2002**, 55, 663.
4. Inhibition of interleukin-6 signaling by galiellalactone. Weidler M. et al. *FEBS Lett.* **2000**, 484, 1.
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