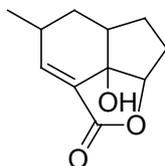


Galiellalactone

Code: **BIA-G1032**

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



Synonyms :

Specifications

CAS #	: 133613-71-5
Molecular Formula	: C ₁₁ H ₁₄ O ₃
Molecular Weight	: 194.2
Source	: Unidentified fungus, MST-FP1889
Appearance	: White lyophilisate
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 IC₅₀ 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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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.
5. Screening of basidiomycetes and ascomycetes for plant growth regulating substances. R. Hautzel & H. Anke, *Z. Naturforsch.* **1990**, 45c, 1094.