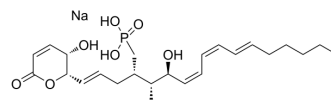


## Phostriecin

Cat. No.:	HY-N10223
CAS No.:	131774-59-9
Molecular Formula:	C <sub>24</sub> H <sub>37</sub> NaO <sub>7</sub> P
Molecular Weight:	491.51
Target:	Antibiotic; Phosphatase
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Phostriecin is an antitumor antibiotic produced by *Streptomyces pulveraceus*. Phostriecin is a strong inhibitor of type 2A (PP2A) and a weak inhibitor of type 1 (PP1) serine/threonine protein phosphatases with IC<sub>50</sub>s of 3.2 nM and 131 μM, respectively. Phostriecin has the potential for the research of cancer<sup>[1]</sup>.

### REFERENCES

[1]. Walsh AH, et al. Fostriecin, an antitumor antibiotic with inhibitory activity against serine/threonine protein phosphatases types 1 (PP1) and 2A (PP2A), is highly selective for PP2A. FEBS Lett. 1997 Oct 27;416(3):230-4.

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

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