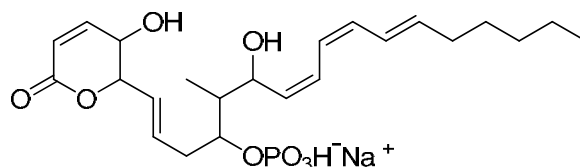


## Sultriecín

Code: **BIA-S1090**

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



Synonyms : **Antibiotic BU 3285T**

### Specifications

CAS #	: <b>131774-59-9</b>
Molecular Formula	: <b>C<sub>23</sub>H<sub>33</sub>NaO<sub>8</sub>p</b>
Molecular Weight	: <b>492.5</b>
Source	: <b><i>Streptomyces</i> sp. MST-AS5536</b>
Appearance	: <b>Pale yellow powder</b>
Purity	: <b>&gt; 98% by HPLC, isolated as the sodium salt</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF, DMSO or water.</b>

### Application Notes

Sultriecín is the dominant analogue in a family of triene antibiotics originally thought to be sulfate esters, but recently unequivocally proven to be phosphate esters. While re-naming of the compound as 'phostriecin' may cause confusion with 'fostriecin', it is now recognised that sultriecín is a phosphate ester of fostriecin. Sultriecín is reported to display potent antifungal and antitumor activity.

### References

1. Synthesis of phostriecin and sultriecín. Burke C.P., Haq N., Boger D.L. *JACS* **2010**, 132, 2157.
2. Sultriecín, a new antifungal and antitumor antibiotic from *Streptomyces roseiscleroticus*. Production, isolation, structure and biological activity. Ohkuma H. et al. *J. Antibiot.* **1992**, 45, 1239.
3. Fostriecin: chemistry and biology. Lewy D.S. *Curr. Med. Chem.* **2002**, 9, 2005.