

PRODUCT DATA SHEET

Code No.: BIA-S1090

Pack sizes.: 0.5mg, 2.5mg

Synonyms: BU 3285T

Sultriecin

Specifications

CAS # : 131774-59-9

Molecular Formula : C23H34O8PNa

Molecular Weight : 492.5

Source :-

Appearance : White solid

Purity : >98% by HPLC

Long Term Storage : -20°C

Solubility : Soluble in water, optimial stability in aqueous buffered solutions at pH

6.5. NOTE: hydrolysis of the phosphate ester will result from

inappropriate storage.

Application Notes

Sultriecin 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 sultriecin is a phosphate ester of fostriecin. Sultriecin displays potent antifungal and antitumor activity.

References

- 1. Sultriecin, a new antifungal and antitumor antibiotic from Streptomyces roseiscleroticus. Production, isolation, structure and biological activity. Ohkuma, H. et al., J. Antibiot. 1992, 45, 1239.
- 2. Fostriecin: chemistry and biology. Lewy D.S. Curr. Med. Chem. 2002, 9, 2005.