Kazusamycin B

Synonyms: Hydroxyleptomycin A, CL 1957E, PD 124895, PD 124,895

**Specifications**

**CAS #** : 107140-30-7

**Molecular Formula** : C$_{32}$H$_{46}$O$_7$

**Molecular Weight** : 542.7

**Source** : *Streptomyces sp.*

**Appearance** : Colourless Film

**Purity** : >95% by HPLC

**Long Term Storage** : -20°C

**Solubility** : Soluble in ethanol or methanol. Poor water solubility. Ethanol recommended. Unstable in DMSO.

**Application Notes**

Kazusamycin B is a minor component of the leptomycin complex produced by some Streptomyces sp.. It is an hydroxylated analogue of leptomycin A, a nuclear export inhibitor. Kazusamycin B displays potent antitumour activity against L1210 and human colon adenocarcinoma, and in vivo activity against P388 lymphocytic leukemia in mice. Kazusamycin B also possesses strong antibacterial and antifungal activity.

**References**

