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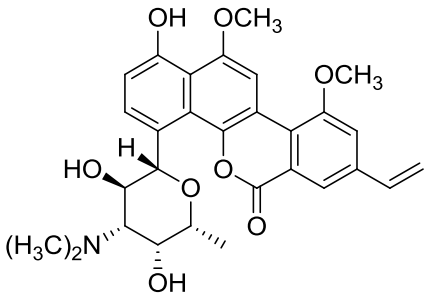
PRODUCT DATA SHEET

Deacetylravidomycin

Code No.: **BIA-D1074**

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



Synonyms : AY 26623

Specifications

CAS #	:	**88580-27-2**
Molecular Formula	:	**$C_{29}H_{31}NO_8$**
Molecular Weight	:	**521.6**
Source	:	***Streptomyces* sp.**
Appearance	:	**Yellow Solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in DMF or DMSO. Moderately soluble in methanol or ethanol. Poor water solubility.**

Application Notes

O-Deacetylravidomycin is the more active and stable analogue of the ravidomycin complex produced by Streptomyces ravidus. The metabolite shows potent, light-dependent antitumor activity. O-Deacetylravidomycin, like the related gilvocarcins and chrysomycins, is thought to act as a topoisomerase II inhibitor.

References

1. New ravidomycin analogues, FE35A and FE35B, apoptosis inducers produced by Streptomyces rochei. Yamashita N. et al. J. Antibiot. 1998, 51, 1105.
2. Biochemical characterisation of elsamicin and other coumarin-related antitumor agents as potent inhibitors of human topoisomerase II. Lorico A. et al. Eur. J. Cancer 1993, 29A, 1985.
3. Light-dependent activity of the antitumor antibiotics ravidomycin and desacetylravidomycin. Greenstein M. et al. Antimicrob. Agents Chemother. 1986, 29, 861.
4. Chemical modification of ravidomycin and evaluation of biological activities of its derivatives. Rakhit S. et al. Antimicrob. Agents Chemother. 1986, 29, 861.

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