

Product Name: Deacetylravidomycin

Product Number: D037

CAS Number: 88580-27-2

Molecular Formula: C₂₉H₃₁NO₈

Molecular Weight: 521.6

Appearance: Yellow Solid

Storage Conditions: -20°C

Description: 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.

O-Deacetylravidomycin is soluble in DMF and DMSO and is moderately soluble in methanol and ethanol.

References: New ravidomycin analogues, FE35A and FE35B, apoptosis inducers produced by *Streptomyces rochei*. Yamashita N. et al. *J. Antibiot.* 1998, 51, 1105.

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.

Light-dependent activity of the antitumor antibiotics ravidomycin and desacetylravidomycin. Greenstein M. et al. *Antimicrob. Agents Chemother.* 1986, 29, 861.

Chemical modification of ravidomycin and evaluation of biological activities of its derivatives. Rakhit S. et al. *Antimicrob. Agents Chemother.* 1986, 29, 861.