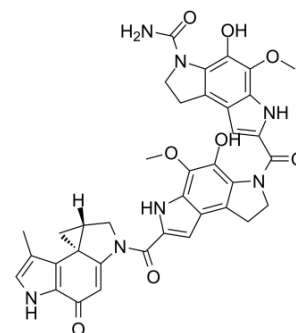


Rachelmycin

Cat. No.:	HY-12457
CAS No.:	69866-21-3
Molecular Formula:	C ₃₇ H ₃₃ N ₇ O ₈
Molecular Weight:	703.7
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description

Rachelmycin (CC-1065; NSC 298223) is a potent naturally **antibiotic** isolated from *Streptomyces zelensis*. Rachelmycin binds non-covalently and covalently (N-3 adenine adduct) in the minor groove of B-form DNA. Rachelmycin has exceptionally potent antitumor activity^[1].

In Vivo

The smallest dose at which delayed death occurs is less for Rachelmycin (CC-1065; NSC 298223; 12.5 mg/kg) in experiments with non-tumored BDF1 mice^[1].

REFERENCES

[1]. W C Krueger, et al. Calf Thymus DNA binding/bonding Properties of CC-1065 and Analogs as Related to Their Biological Activities and Toxicities. *Chem Biol Interact.* 1992 Mar;82(1):31-46.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA