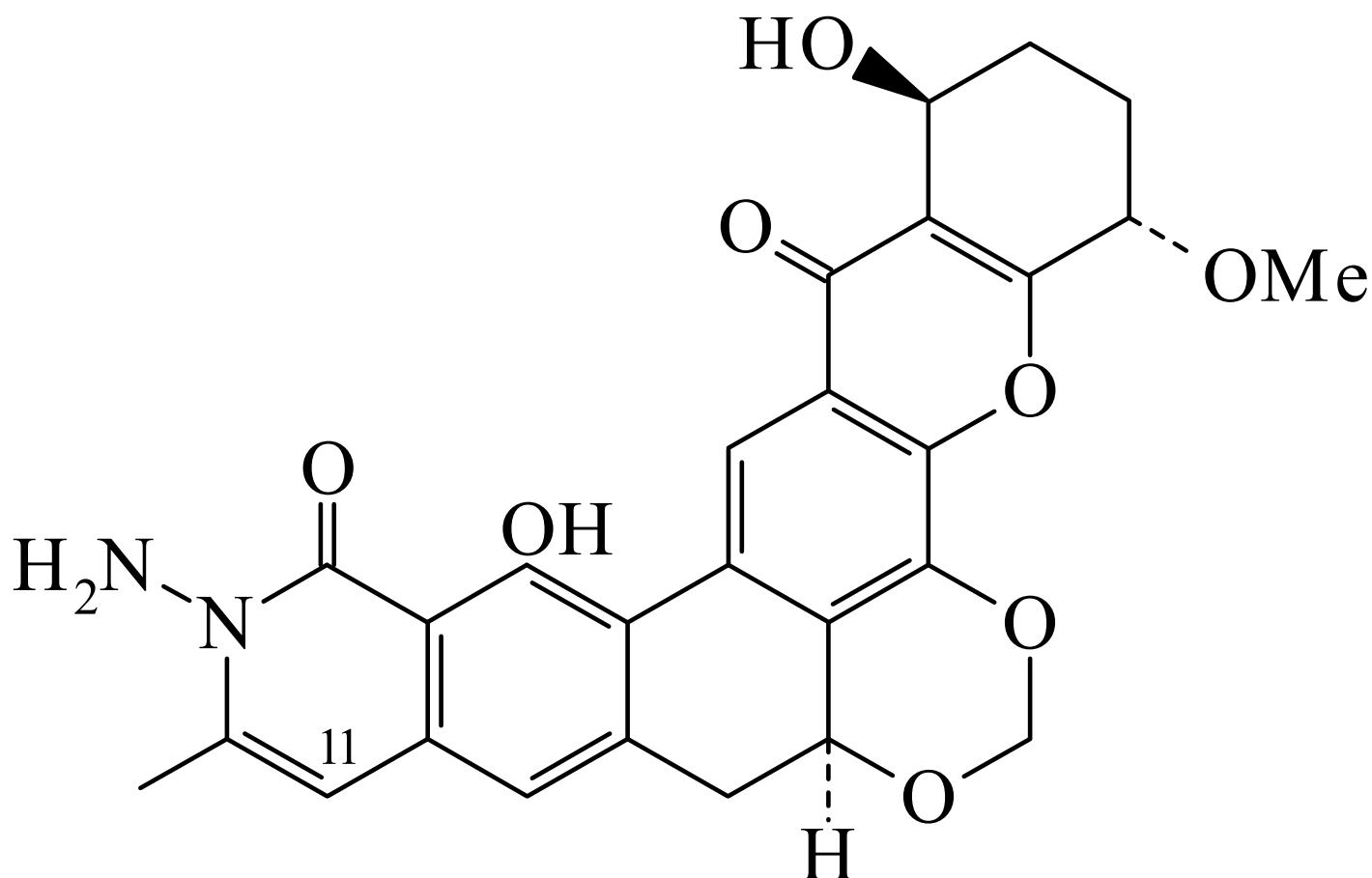




>>Entry Name: Albofungin

Synonym(s): Kanchanomycin. BA 180265A. P 42-1. Antibiotic P 42-1



CAS Registry Number: 37895-35-5

Molecular Formula: C₂₇H₂₄N₂O₉

Molecular Weight: 520.495

Accurate Mass: 520.148183

Percentage Composition: C 62.31%; H 4.65%; N 5.38%; O 27.66%

Biological Source: Metab. of *Actinomyces albus* var. *fungatus* and *Actinomyces tumemacerans*

Use/Importance: Antifungal agent with antineoplastic props.

Physical Description: Yellow cryst. (MeNO₂)

Melting Point: Mp 304-307°

Optical Rotation: [α]_D²⁰ -670 (DMF)

Calculated Log P Data: Log P 0.34 (uncertain value) (calc)

UV: [acid] $\lambda_{\max}$ (no shifts reported) (Derep) [base] $\lambda_{\max}$ 250 (ϵ 9000); 320 (ϵ 5000); 388 (ϵ 8000) (MeOH/NaOH) (Derep) [neutral] $\lambda_{\max}$ 230 (ϵ 36400); 253 (ϵ 36500); 300 (ϵ 14600); 364 (sh) (ϵ 22400); 373 (ϵ 23700) (MeOH) (Derep)