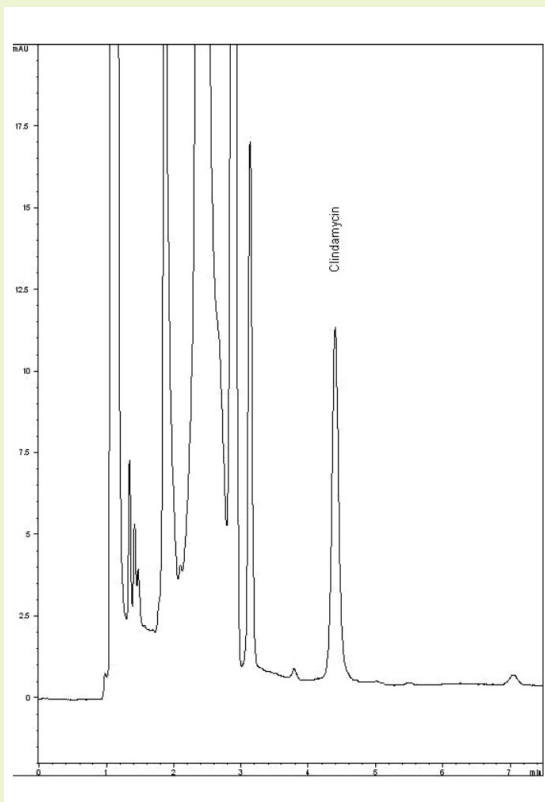
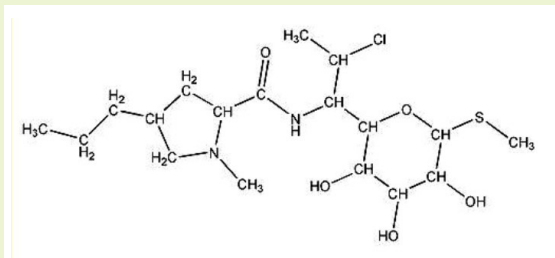


# Easy Separation from Excipients

## Clindamycin: Antibiotic



**Notes:** Normally used to treat infections with anaerobic bacteria, this drug is indicated for use against protozoal diseases such as malaria. Also used for acne can be useful against some some MRSA infections. Clindamycin is marketed under various trade names including Dalacin, Cleocin, Evoclin and Duac as well in generic form.

### Method Conditions

**Column:** Cogent Bidentate C18™, 4µm, 100Å

**Catalog No.:** 40008-15P

**Dimensions:** 4.6 x 150 mm

**Mobile Phase:** 40% Acetonitrile/ 60% 10 mM phosphate buffer/ pH 7.5

**Temperature:** 25°C

**Injection vol.:** 20µL

**Flow rate:** 1.0 mL/min

**Detection:** UV 338 nm

**Peaks:** 1. Clindamycin

### Discussion

This semi-synthetic antibiotic is structurally related to lincomycin and the chromatogram shown of clindamycin is from a complex pharmaceutical formulation. Note the excellent peak shape and the selectivity from the excipients. The stability and robustness of the Cogent TYPE-C columns makes this an excellent choice for QC applications.

MW of the clindamycin is 424.99 with a pKa of 7.6 and is soluble in water, pyridine, ethanol and DMF.