

Anthracycline anticancer drugs as effective ligands for terbium(III) ions.

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Streszczenie

Spectroscopic measurements were carried out for terbium(III) complexes with the anthracycline anticancer drugs doxorubicin, aclarubicin, carminomycin and their simple model quinizarin-2-sulfonic acid (9,10-dihydro-1,4-dihydroxy-9,10-dioxoanthracene-2-sulfonic acid). Potentiometric titrations were carried out for the doxorubicin-, aclarubicin- and quinizarin-2-sulfonic acid-containing systems. Both stability constants and CD spectra indicate that interligand interactions stabilise the 1:2 metal-to-ligand complexes formed.

Adres publiczny

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