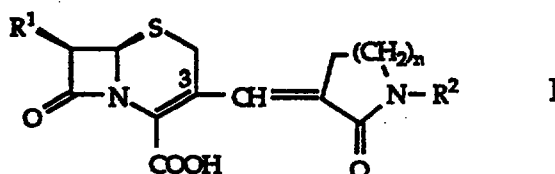


Abstract

Cephalosporin derivatives of the general formula



5 wherein

R¹ is an acyl group derived from a carboxylic acid;

R² is hydrogen, hydroxy, lower alkyl-Q_m, cycloalkyl, lower alkoxy,
 lower alkenyl, cycloalkenyl, lower alkynyl, aralkyl-Q_m, aryl-Q_m,
 10 aryloxy, aralkoxy or a heterocyclic ring, the lower alkyl, cycloalkyl,
 lower alkoxy, lower alkenyl, cycloalkenyl, lower alkynyl, aralkyl,
 aryl, aryloxy, aralkoxy and the heterocyclic ring being
 unsubstituted or substituted with at least one group selected from
 carboxy, amino, nitro, cyano, lower alkyl, lower alkoxy, hydroxy,
 halogen, -CONR⁴R⁵, -N(R⁵)COOR⁹, R⁵CO-, R⁵OCO- or R⁵COO-
 15 where R⁴ is hydrogen, lower alkyl, or cycloalkyl; R⁵ is hydrogen or
 lower alkyl; R⁹ is hydrogen, lower alkyl, lower alkenyl or a
 carboxylic acid protecting group;

Q is -CO- or -SO₂;

m is 0 or 1;

20 n is 0, 1 or 2;

as well as readily hydrolyzable esters thereof, pharmaceutically acceptable
 salts of said compounds and hydrates of the compounds of formula I and of
 their esters and salts.

The products are antibacterially active.

