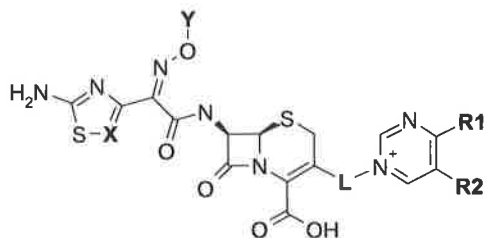


【Abstract】

NOVEL CEPHALOSPORIN DERIVATIVES AND PHARMACEUTICAL COMPOSITIONS THEREOF

5 The present invention relates to novel cephalosporin derivatives represented by Chemical Formula 1.



(1)

Wherein, X, Y, L, R₁, and R₂ are as same as defined in the description of the invention.

10 The present invention also relates to pharmaceutical antibiotic compositions comprising a novel cephalosporin derivative represented by Chemical Formula 1, a prodrug thereof, a hydrate thereof, a solvate thereof, an isomer thereof, or a pharmaceutically acceptable salt thereof as an effective
15 ingredient.

 According to the present invention, novel cephalosporin derivatives, a prodrug thereof, a hydrate thereof, a solvate thereof, an isomer thereof, or a pharmaceutically acceptable salt thereof as an effective ingredient for the broad spectrum of
20 antibiotic resistant, low toxicity, particularly in Gram-negative bacteria, which can be useful with strong antimicrobial activity.

Figure 1