

ABSTRACT

The currently available β -lactamase inhibitors are insufficient to inhibit the incessantly increasing β -lactamase, and novel β -lactamase inhibitors has been required today for the difficult treatment for bacterial infectious diseases caused by resistant bacteria which produce class C β -lactamase, extended-spectrum β -lactamase (ESBL) belonging to class A and D, or class A KPC-2 decomposing even carbapenem as a last resort for β -lactam antibiotic .

A compound represented by the the formula (I), preparation process of the same, β -lactamase inhibitors and method for treating bacterial infectious diseases are provided.

[Chemical formula 1]

