

NLRP3 INFLAMMASOME INHIBITOR AND USE THEREOF

ABSTRACT

The present invention belongs to the technical field of pharmaceuticals, and relates to an
5 NLRP3 inflammasome inhibitor and the use thereof. Specifically, the present invention relates
to a compound represented by general formula (I), or a deuterated compound thereof, a
stereoisomer thereof, or a pharmaceutically acceptable salt thereof. The definition of each group
is as defined in the description. Studies show that the compound represented by general formula
(I), or the deuterated compound thereof, the stereoisomer thereof, or the pharmaceutically
10 acceptable salt thereof has a relatively high biological activity against an NLRP3 inflammasome,
and has an important clinical development value for the treatment of NLRP3-related diseases Y-
W-R3 (I).

(NO SUITABLE FIGURE)