

Abstract

A cyclic dinucleotide analogue, a pharmaceutical composition thereof, and application. A cyclic dinucleotide analogue (I), an isomer thereof, a prodrug, a stable isotope derivative, or a pharmaceutically acceptable salt has the following structure. The cyclic dinucleotide analogue can be used as a regulator of a stimulator of interferon genes (STING) and a related signal path thereof, and can effectively treat and/or relieve multiple types of diseases, including but not limited to malignant tumors, inflammations, autoimmune diseases, and infectious diseases. In addition, the STING regulator can also be used as a vaccine adjuvant.

