

Abstract

2-AMINOPYRIMIDINE COMPOUND AND PHARMACEUTICAL COMPOSITION AND USE THEREOF

Disclosed are a 2-aminopyrimidine compound and pharmaceutical composition and use thereof. The structure of the 2-aminopyrimidine compound is as represented by formula I, in the formula, R₁, R₂, R₃, R₄, R₅, X, Y, Z, W, (i) being as defined in the specification and the claims. Such compounds effectively inhibit the growth of a variety of tumor cells and have inhibitory effects on EGFR and IGF1R protease, and can be used for preparing antineoplastic drugs and overcome the tolerance induced by the existing drugs such as gefitinib, erlotinib and the like. The compound has selectivity for tumors, in particular the wild-type non-small cell lung cancer and have good pharmacokinetic characteristics.

