

The chemical structure is a complex molecule featuring a xanthine core. The xanthine ring is substituted with a 2-aminopurine moiety at the 6-position and a 2,2-diphenyl-1,3-dioxolane-5-carboxamide group at the 2-position. The 2-aminopurine moiety is a purine ring with an amino group at the 2-position. The 2,2-diphenyl-1,3-dioxolane-5-carboxamide group consists of a 1,3-dioxolane ring with two phenyl groups at the 2-position and a carboxamide group at the 5-position. The xanthine core is a fused bicyclic system consisting of a pyrimidine ring and an imidazole ring. The xanthine core is substituted with a 2-aminopurine moiety at the 6-position and a 2,2-diphenyl-1,3-dioxolane-5-carboxamide group at the 2-position. The 2-aminopurine moiety is a purine ring with an amino group at the 2-position. The 2,2-diphenyl-1,3-dioxolane-5-carboxamide group consists of a 1,3-dioxolane ring with two phenyl groups at the 2-position and a carboxamide group at the 5-position.

