

The chemical structure is 2-(2,6-dimethyl-4-pyridyl)-1,3-bis(4-methylphenyl)propan-1-one. It features a central ketone group (C=O) at the 1-position. The carbonyl carbon is bonded to a 2,6-dimethyl-4-pyridyl ring at the 2-position and a 1,3-bis(4-methylphenyl)propan-1-one moiety at the 3-position. The 1,3-bis(4-methylphenyl)propan-1-one moiety consists of a propanone chain with a 4-methylphenyl ring at the 1-position and another 4-methylphenyl ring at the 3-position. The 2,6-dimethyl-4-pyridyl ring is a pyridine ring with methyl groups at the 2 and 6 positions. The structure is color-coded with various colors for different atoms and bonds: carbon (brown, green, blue, red, purple, orange, yellow, cyan, magenta), oxygen (red), nitrogen (blue), and hydrogen (white). The pyridine ring is colored in shades of blue and green, while the phenyl rings are colored in shades of brown, green, and blue. The propanone chain is colored in shades of green, blue, and red.

