Candidate cells respond to the environmental changes in the oral cavity and thus results in varied virulence and also attributes partially to the initial attachment to surfaces. Previous studies showed that the hydrophobic proteins embedded in the matrix of the candidal cell wall provides the hydrophobic interactions which create a strong bond between the fungus and the surface. Bakuchiol is a novel compound isolated from the seeds of Psoralea corylifolia, which has exhibited antibacterial effects against oral pathogens. This study aimed to investigate the antifungal susceptibility of Candida species and its hydrophobicity upon exposure to bakuchiol. Bakuchiol was screened against a panel of seven Candida species for their antifungal activity. The parameters include use of yeast-peptone-dextrose (YPD) in broth microdilution, an inoculum of candidal suspension (1x10⁵ cells/mL) and the criteria for determining the minimum inhibitory concentration (MIC) and minimum fungicidal concentration (MFC) endpoints. The hydrophobic interactions were measured by the binding affinity of candidal cells to hexadecane. The MIC and MFC to bakuchiol ranged from 100 – 12.5 μg/mL. C. dubliniensis was highly susceptible to bakuchiol, whereas C. glabrata seemed to be the least. The percentage adsorption to hexadecane between C. albicans and C. krusei were insignificant (P=1.00), but remained highly hydrophobic compared to others (P<0.05). A 10 min exposure to 20 μg/mL bakuchiol caused the adsorptions of candidal cells to hexadecane to be lowered. The hydrophobicity of C. albicans, C. dubliniensis, C. parapsilosis and C. tropicalis were significantly reduced within the range of 10% to 38% (P<0.01). Comparatively, C. glabrata and C. lusitaniae were the least affected and the hydrophobicity declined to as low as 4%. Findings show that bakuchiol exhibits antifungal activity against Candida species and the significant reductions in hydrophobicity would enhance its potential as a new natural compound that could be employed in the development of oral care products.