The $^1$H-NMR presents two pair of doublets ($J=2.42$ and 2.32 Hz respectively) in the aromatic region due to two meta-couplings protons at 6.22 and 6.28, and 6.63 and 6.58 δ ppm. The data presents two rests of $n$-pentyl units and two carbonyls signals attached to the phenyl rings, according to the gHMBC and gCOSY experiments: