

Synthesis and characterization of Novel Schiff base derivatives for Lighting Application

kanagaraj shanmugasundaram *

(choe@pusan.ac.kr*)

The synthesis and characterization of novel Schiff base derivatives and its use in lighting applications. The optoelectronic properties have been fully characterized by UV-visible absorption and emission spectroscopy. Compound 1 found to be a deep blue emitter in solid as well as in chloroform solution. Compound 2 found to be a deep yellow emitter in solid and aggregate state in acetonitrile-water mixture and no significant color in pure acetonitrile solution.