

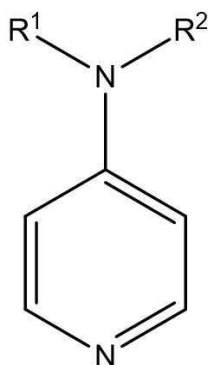
ABSTRACT

The present invention relates to a novel electrochemiluminescence (ECL) co-reactant, and an electrochemiluminescence system including the same. The electrochemiluminescence co-reactant including a compound represented by

5 Chemical Formula I, or a pharmaceutically acceptable salt thereof, can be widely and generally applied to immunoassays and diagnostic devices based thereon which uses an electrochemiluminescent label of a specific luminescent species (a polycyclic aromatic hydrocarbon compound, a metal complex compound, a quantum dot, or nanoparticles, and the like, and have excellent the detection signal and improved the

10 voltage application condition can be improved when measuring electrochemiluminescence.

[Chemical Formula I]



In Chemical Formula I, wherein each R¹ and R² may be the same as or

15 different from each other, and represent any one selected from the group consisting of: a hydrogen atom; a halogen atom; a C₁-C₆ straight-chain, branched, or cyclic alkyl group; a C₁-C₆ alkoxy group; and a C₁-C₆ haloalkyl group.