Organic transformations using photoredox gold catalysis

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Light mediated photoredox transformations have become commonplace in contemporary catalysis research and design. Excited state redox catalysts trigger photoinduced electron transfers (PET) through oxidative or reductive quenching modes, allowing access to one electron variations of classic radical reactions and the discovery of new transformations in organic chemistry. The development of Au-catalyzed photoredox transformations and their application in organic synthesis will be presented (see Figure 1).

Figure 1. Catalytic Photoredox Cycle

References

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