

Literature Report: A Facile C=O Bond Splitting of CO₂ Catalyzed by Phosphinine Iron(0) Complex

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Background

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C=O Bond Splitting of CO_2 has become established for early 3d metals and f-block metals. In comparison, the use of earth-abundant late 3d metals remains surprisingly under-explored, particularly given the role that such metals play in biological CO_2 reduction to CO, mediated by Ni, Fe CO dehydrogenase.