

The Nitrosyl Ligand as an Oxidant

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Summary Carbon monoxide reacts with the cationic nitrosyl $[\text{Ir}(\text{NO})_2(\text{Ph}_3\text{P})_2]^+$ to produce CO_2 and N_2O ; tertiary phosphines (R_3P) react similarly to yield R_3PO and N_2O .

THE nitrosyl group is a versatile ligand exhibiting diverse chemical and structural properties.¹ However, little is known of its ability to function as an oxidant. Here we report reactions of the complex cation $[\text{Ir}(\text{NO})_2(\text{Ph}_3\text{P})_2]^+$ (**1**)

