

**Bio-Inspired CO<sub>2</sub> Reduction by a Rhenium Tricarbonyl Bipyridine Based Catalyst  
Appended to Amino Acids and Peptidic Platforms: Incorporating Proton Relays  
and Hydrogen-Bonding Functional Groups**

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*Supporting Information*

Table S1: Crystal data for complex 1.

<b>Complex</b>	<b>1</b>
Empirical formula	C <sub>16</sub> H <sub>13</sub> ClN <sub>3</sub> O <sub>4</sub> Re
Formula weight	532.94
Temperature/K	273.15
Crystal system	monoclinic
Space group	P2 <sub>1</sub> /c
a/Å	11.1768(8)
b/Å	17.5414(15)
c/Å	9.0952(7)
α/°	90.00
β/°	92.607(4)
γ/°	90.00
Volume/Å <sup>3</sup>	1781.3(2)
z	4
ρ <sub>calc</sub> (mg/mm <sup>3</sup> )	1.987
Absorption coefficient mm <sup>-1</sup>	6.997
F(000)	1016.0
2θ range for data collection	3.64 to 52.86°
Index ranges	-13 ≤ h ≤ 13, -21 ≤ k ≤ 19, -11 ≤ l ≤ 11
Reflections collected	9078
Independent reflections	3558 [R <sub>int</sub> = 0.0645, R <sub>sigma</sub> = 0.0922]
Data/restraints/parameters	3558/0/203
Goodness-of-fit on F <sup>2</sup>	1.043
Final R indexes [I ≥ 2σ (I)]	R <sub>1</sub> = 0.0643, wR <sub>2</sub> = 0.1264
Final R indexes [all data]	R <sub>1</sub> = 0.1196, wR <sub>2</sub> = 0.1466
Largest diff. peak and hole (e Å <sup>-3</sup> )	2.88, -1.59