

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
15.1	Tetrakis(p-sulfonatophenyl)porphinatozincate ion, triplet state	${}^3(\text{ZnTPPS}^{4-})^* + \text{H}^\bullet \longrightarrow \text{ZnTPPS}(\text{H})^{4-}$		$\sim 1.5 \times 10^{10}$	p.r.; P.b.k. in N ₂ O-satd. soln. contg. tert-BuOH; triplet produced by photolysis.	82A279
15.2		${}^3(\text{ZnTPPS}^{4-})^* + \cdot\text{OH} \longrightarrow \text{Zn}(\text{TPPS-OH})^{4-}$	7	$\sim 1 \times 10^{10}$	p.r.; P.b.k.; triplet produced by photolysis.	82A279