

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
852	Luminol	$\cdot\text{OH} + \text{--NH--NH--} \longrightarrow \text{H}_2\text{O} + \text{lum}\cdot$		$8.8 \times 10^9$	Average of 2 values.	
			11	$9 \times 10^9$	p.r.; P.b.k. in soln. satd. with 1:1 O <sub>2</sub> :N <sub>2</sub> O.	79G176
			9.5	$8.7 \times 10^9$	p.r.; P.b.k. at 400 nm.	731068