

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
480	Phenylalanine	$\text{H}\cdot + \text{Phe} \longrightarrow \text{C}_6\text{H}_5\text{CH}_2\text{CH}(\text{NH}_3^+)\text{CO}_2^-$	6.4	7.1×10^8	p.r.; P.b.k. at 297 nm in soln. contg. <i>tert</i> -BuOH 1–20 ×10 ⁻¹ mol L ⁻¹ Phe and HClO ₄ at pH 2 and NaH ₂ PO ₄ at pH 6.4; at pH 2 $k = 9.3 \times 10^8$; DL-isomer.	741129