

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
878	Methanedisulfonate Ion, hydro- gen	$\cdot\text{OH} + -\text{O}_3\text{SCH}_2\text{SO}_3\text{H} \longrightarrow \text{H}_2\text{O} + -\text{O}_3\text{SCHSO}_3\text{H}$	1.05	2.5×10^7	p.r.; C.k.; calcd. from obs. rate and $pK_a = 1.5$; rel. to $k(\cdot\text{OH} + \text{MeOH})$.	77A221