

Hammett constants for some common substituents

Substituent	σ_{meta}	σ_{para}	σ^-	σ^+	$\sigma_{\text{o}}^{\text{phenols}}$
CH ₃	-0.07	-0.17		-0.31	-0.13
Ph (C ₆ H ₅)	0.06	0.01			
Cl	0.37	0.23		0.11	0.68
Br	0.39	0.23	0.26	0.15	0.70
I	0.35	0.18		0.13	0.63
OH	0.10	-0.37		-0.92	
OCH ₃	0.12	-0.27	-0.12	-0.78	0.0
NO ₂	0.71	0.78	1.25	0.79	1.24
CN	0.56	0.66	0.89	0.66	
CO ₂ CH ₃	0.33	0.45	0.66		
OCOCH ₃	0.36	0.31			
NH ₂	-0.16	-0.66		-1.3	
N(CH ₃) ₂	-0.15	-0.83			

Note: σ^- and σ^+ apply to *para* substituted groups only