

Taft substituent constants

X	$\sigma^*(X)$	$\sigma^*(CH_2X)$	X	$\sigma^*(X)$	$\sigma^*(CH_2X)$
Me	0.00	-0.10	OH	1.34	+0.555
Et	-0.10	-0.10	OMe	1.81	+0.52
n-Pr	-0.10	-0.13	OPh	2.43	+0.85
n-Bu	-0.13	-0.23	OEt	1.86	
isoPr	-0.19	-0.19	F	3.21	+ 1.1
isoBu	-0.125		Cl	2.96	+1.05
t-Bu	-0.300	-0.165	Br	2.84	+1.00
neoPe	-0.165		I	2.46	+0.85
Ph	+0.60	+0.215	NO ₂	4.25	+1.40
PhCH ₂	+0.215	+0.08	CN	3.60	+1.30
PhCH ₂ CH ₂	+0.08		CF ₃	2.61	+0.92
pCH ₃ -Ph	+0.59		NMe ₂	0.32	