

化學鍵解離能

Chemical Bond Dissociation Energies

(若需修正或補充，請 mail 給我們建檔，謝謝！)

A : B -> A· + B·	$\Delta H = \text{Bond Dissociation Energy or } D(\text{A-B}), \text{ Kcal/Mole}$
H-H	104
H-F	136
H-Cl	103
H-Br	88
H-I	71
F-F	38
Cl-Cl	58
Br-Br	46
I-I	36
CH ₃ -H	104
CH ₃ -F	108
CH ₃ -Cl	84
CH ₃ -Br	70
CH ₃ -I	56
CH ₃ -H	104
C ₂ H ₅ -H	98
n-C ₃ H ₇ -H	98
i-C ₃ H ₇ -H	95
t-C ₄ H ₉ -H	91
H ₂ C=CH-H	104
H ₂ C=CHCH ₂ -H	88
C ₆ H ₅ -H	112
C ₆ H ₅ CH ₂ -H	85
CH ₃ -CH ₃	88
C ₂ H ₅ -CH ₃	85
n-C ₃ H ₇ -CH ₃	85
i-C ₃ H ₇ -CH ₃	84

$A : B \rightarrow A\cdot + B\cdot$ $\Delta H = \text{Bond Dissociation Energy or } D(A-B), \text{ Kcal/Mole}$

t-C ₄ H ₉ -CH ₃	80
H ₂ C=CH-CH ₃	92
H ₂ C=CHCH ₂ -CH ₃	72
C ₆ H ₅ -CH ₃	93
C ₆ H ₅ CH ₂ -CH ₃	70
CH ₃ -Cl	84
C ₂ H ₅ -Cl	81
n-C ₃ H ₇ -Cl	82
i-C ₃ H ₇ -Cl	81
t-C ₄ H ₉ -Cl	79
H ₂ C=CH-Cl	84
H ₂ C=CHCH ₂ -Cl	60
C ₆ H ₅ -Cl	86
C ₆ H ₅ CH ₂ -Cl	68
CH ₃ -Br	70
C ₂ H ₅ -Br	69
n-C ₃ H ₇ -Br	69
i-C ₃ H ₇ -Br	68
t-C ₄ H ₉ -Br	63
H ₂ C=CHCH ₂ -Br	47
C ₆ H ₅ -Br	72
C ₆ H ₅ CH ₂ -Br	51
