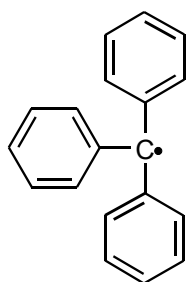


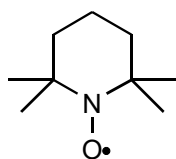
Erzeugung und Stabilität von Radikalen

Bindung	Standarddissoziationsenthalpie [kJmol ⁻¹]	Bindung	Bindungslänge/Energie [Å]	Bindungslänge/Energie [kJmol ⁻¹]
H-H	432	C-C	1,53	345-375
F-F	155	C=C	1,32	610-630
Cl-Cl	239	C≡C	1,18	835
Br-Br	190	C-H	1,09	356-458
I-I	149	C-O(sp ³)	1,43	355-399
H ₃ C-CH ₃	370	C-O(sp ²)	1,34	460
H ₂ N-NH ₂	253	C=O	1,21	724-757
HO-OH	214	C-N(sp ³)	1,47	350-356
H ₃ C-H	435	C-N(sp ²)	1,38	430
H ₃ CCH ₂ -H	411	C=N	1,28	598
(H ₃ C) ₂ CH-H	396	C≡N	1,14	854
(H ₃ C) ₃ C-H	385	C-S	1,82	255
Ph-H	458	C=S	1,67	
H ₂ C=CHCH ₂ -H	371	C-F	1,40	518
PhCH ₂ -H	356	C-Cl	1,79	352
H-F	566	C-Br	1,97	293
H-Cl	428	C-I	2,16	234
H-Br	363			
H-I	295			
HO-H	499			
HO ₂ -H	375			
(H ₃ C) ₃ CO-H	435			
EtO-H	441			
EtS-H	307			
(H ₃ C) ₃ CO-OC(CH ₃) ₃	157			
PhCO ₂ -O ₂ CPh	126			
AIBN	131			
Me ₃ Sn-H	293			
Me ₃ Sn-Me	255			

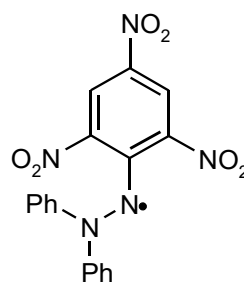
Stabile Radikale (persistent)



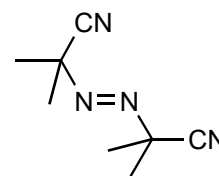
**Triphenylmethyl
Trityl**



**2,2,6,6-Tetramethyl
-piperidin-N-Oxyl
TEMPO**



**Diphenylpicryl
-hydrazyl
DPPH**



**Azo-bis-
isobutyronitril
AIBN**