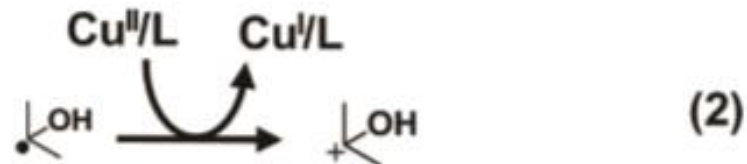
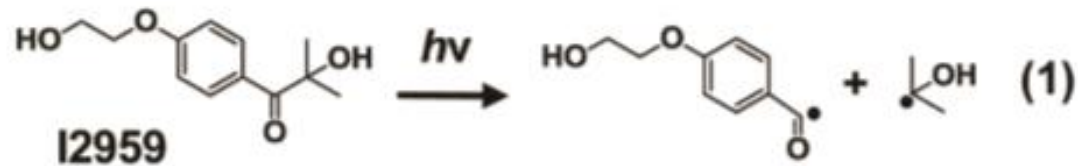


Photo-activated click chemistry



Il fotoattivatore (Irgacure I2959) forma radicali in seguito a illuminazione UV.

Il radicale forma in situ Cu(I) da Cu(II)

» [Back](#)

Irgacure® photoinitiators for UV cured coatings and adhesives

Irgacure photoinitiators for UV cured coatings and adhesives are compounds that, under absorption of light undergo a photoreaction, producing reactive species that are capable of initiating the polymerization of the unsaturated constituents in the formulation.

[Further information on our Website](#)

» [Contact BASF \(Global\)](#)

Contact

link: » [Contact Us \(Global\)](#)

Why use Irgacure®?

BASF Irgacure photoinitiators are the critical component of the UV curing process. It is this additive that initiates the polymerization process to quickly reach the final cross-linked product. By curing coatings and adhesives faster and more economically than traditional methods UV curing boosts productivity through substantial savings in energy, time and labor.

The free radical class of Irgacure initiators represents the majority of commercially used initiator chemistry, while Irgacure cationic curing photoinitiators are used with epoxy or vinyl ether functional resins.

List of Products

[Irgacure® 127](#)

[Irgacure® 184](#)

[Irgacure® 184 D](#)

[Irgacure® 2022](#)

[Irgacure® 2100](#)

[Irgacure® 250](#)

[Irgacure® 270](#)

[Irgacure® 2959](#)

[Irgacure® 369](#)

[Irgacure® 369 EG](#)

[Irgacure® 379](#)

[Irgacure® 500](#)

[Irgacure® 651](#)

[Irgacure® 754](#)

[Irgacure® 784](#)

[Irgacure® 819](#)

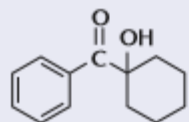
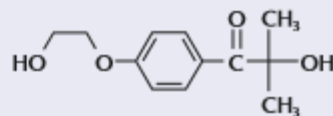
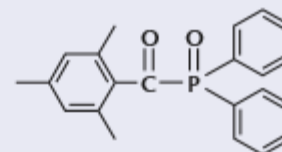
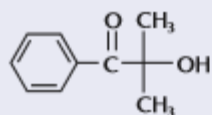
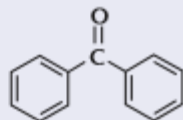
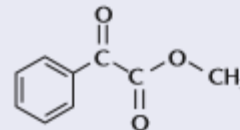
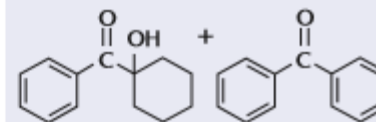
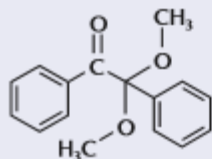
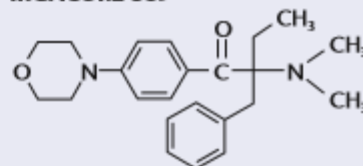
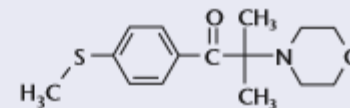
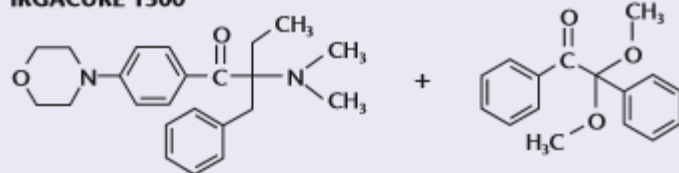
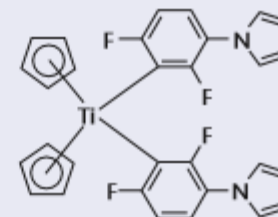
[Irgacure® 819Dw](#)

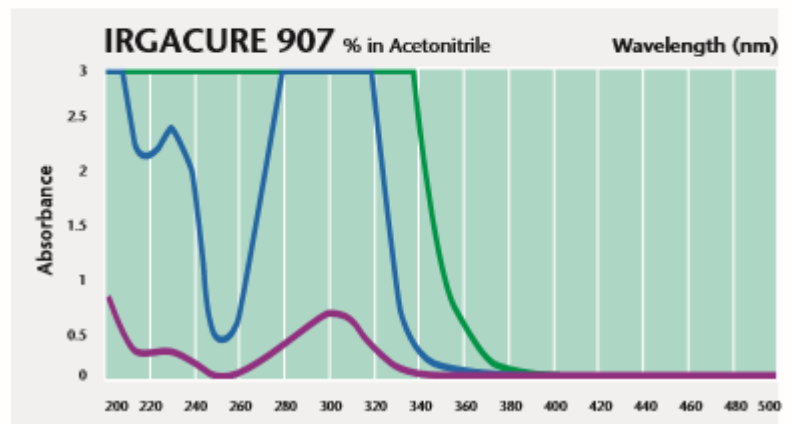
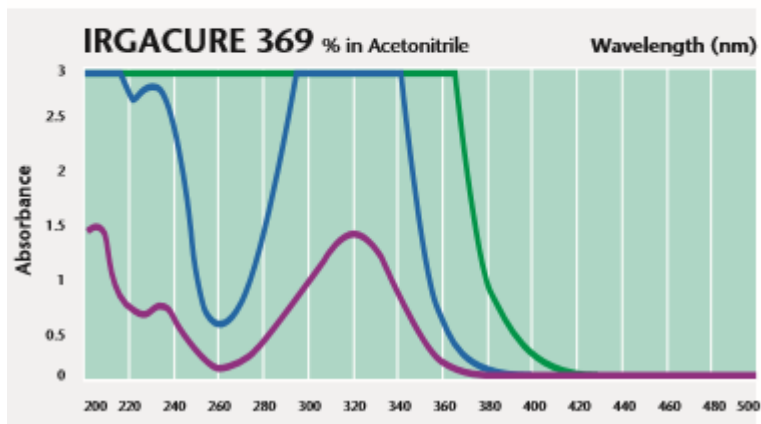
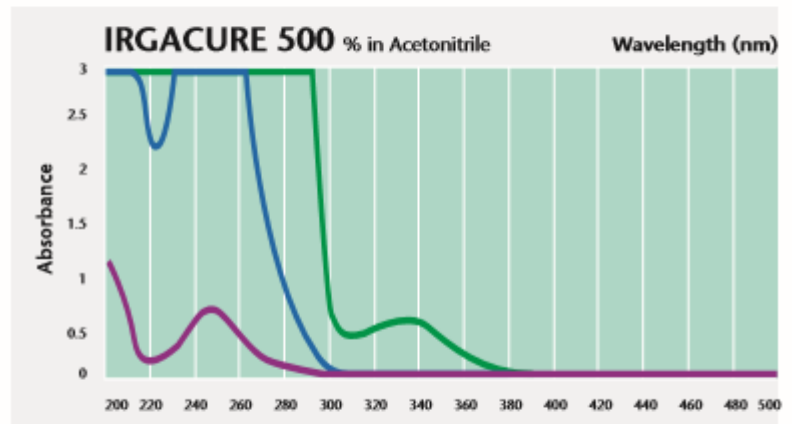
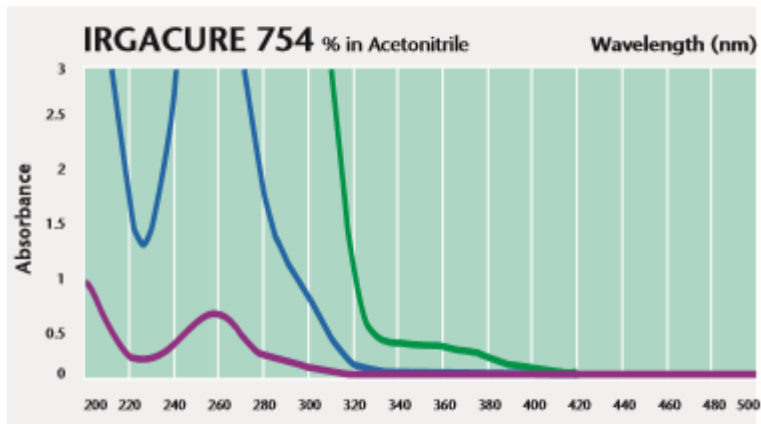
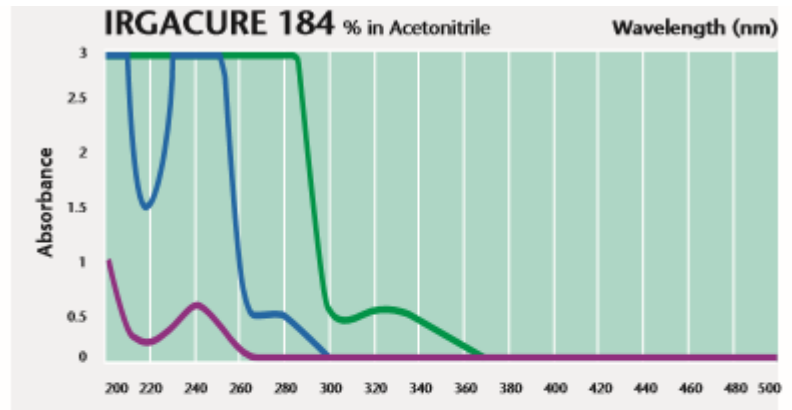
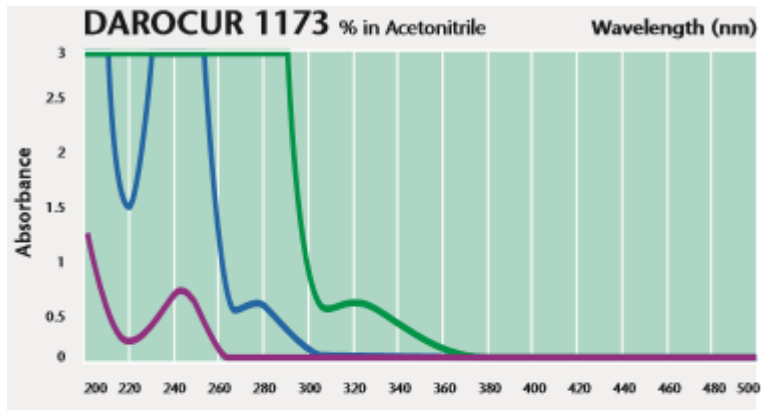
[Irgacure® 907](#)

[Irgacure® 907 FF](#)

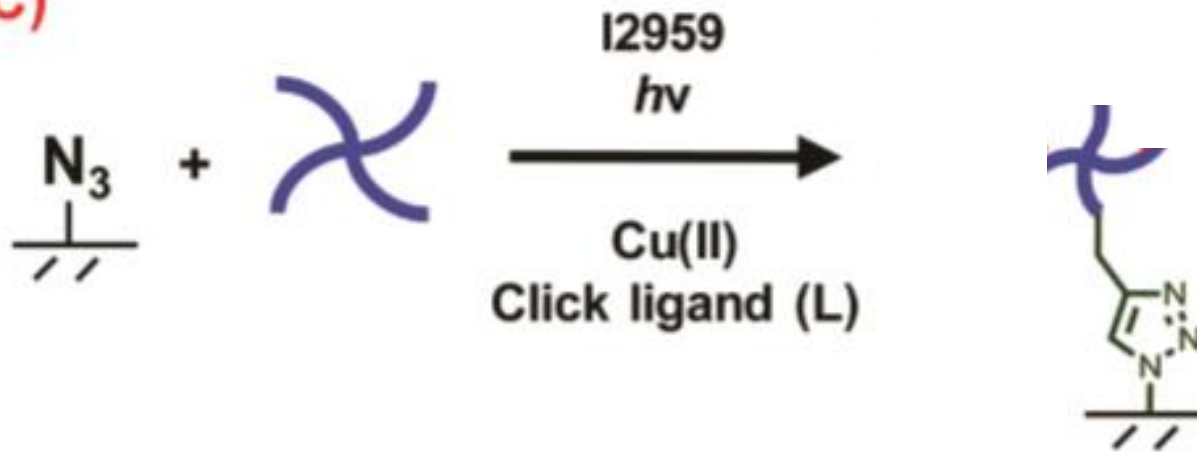
[Irgacure® Oxe01](#)

<http://product-finder.basf.com/group/corporate/product-finder/en/brand/IRGACURE>

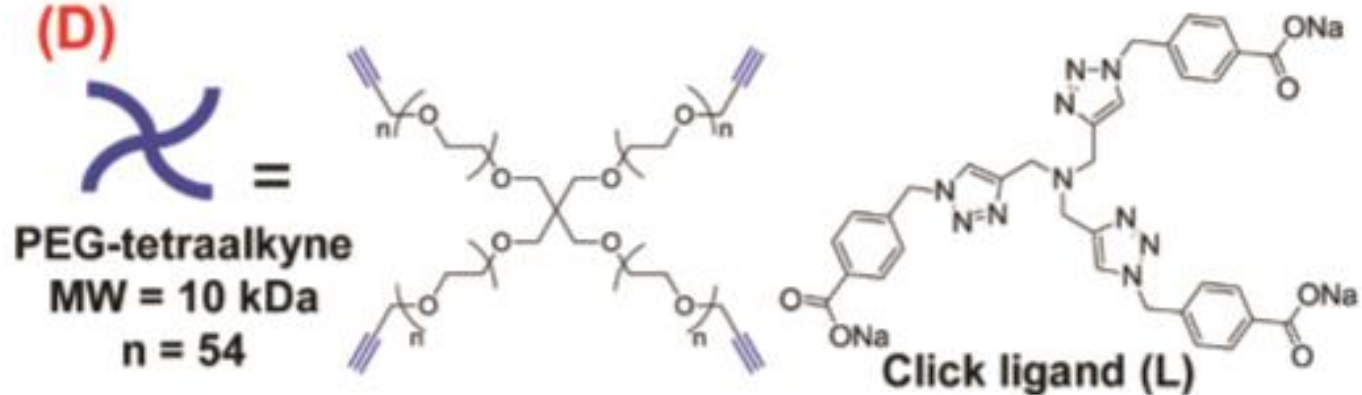
IRGACURE 184**IRGACURE 2959****DAROCUR TPO****DAROCUR 1173****DAROCUR BP****DAROCUR MBF****IRGACURE 500****IRGACURE 651****IRGACURE 369****IRGACURE 907****IRGACURE 1300****IRGACURE 784**



(C)



(D)



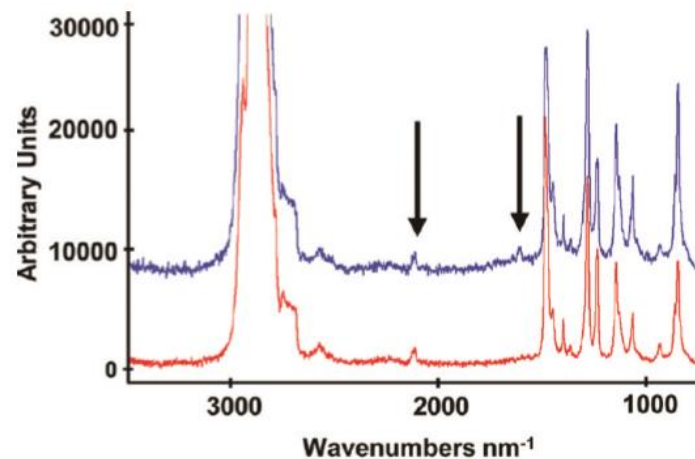
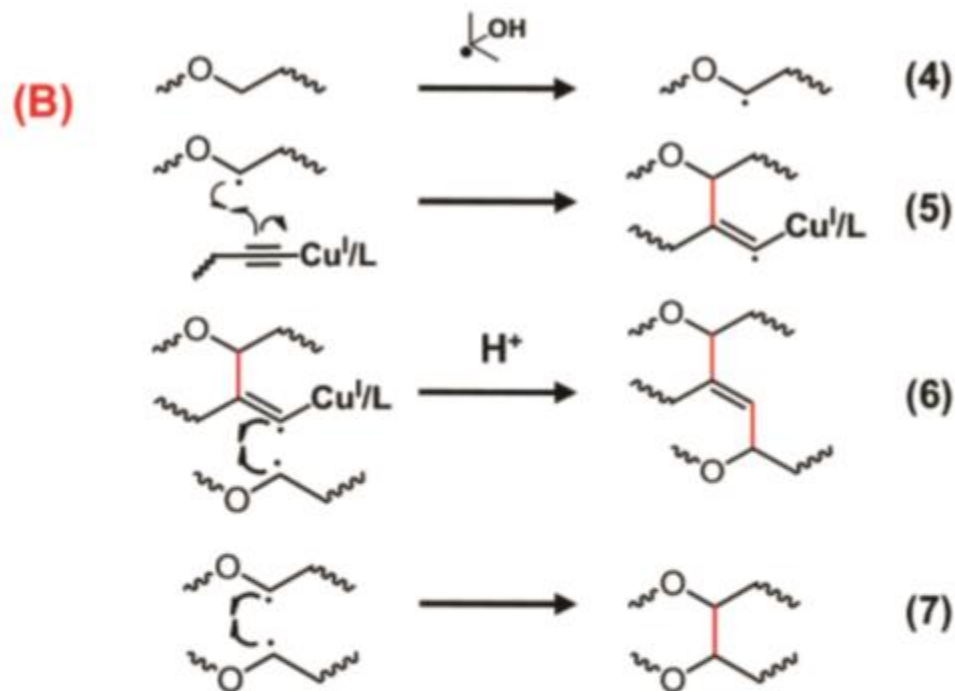


Figure 2. Raman spectra of PEG hydrogel (blue line) and PEG-tetraalkyne (red line) with arrows corresponding to peaks at 2113 ($\text{C}\equiv\text{C}$ stretch) and 1611 cm^{-1} ($\text{C}=\text{C}$ stretch). Hydrogel synthesized in the presence of Cu(I), ligand (L), and Irgacure 2959 with 250–450 nm UV light.

