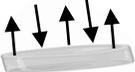


Figure 1. Stages of the wound healing process after corneal epithelial injury. Created with BioRender.com. (Figure 1 was generated using BioRender, provided by Biorender, licensed under a Creative Commons Attribution 3.0 license).

<b>Desirable Properties</b>	
Transparent	
Biocompatible	
Suturable	
Orthogonal lamellar structure	
Nutrient/ waste diffusion	
Dome shape	
Biodegradable	

Corneal biomatrix – desirable properties

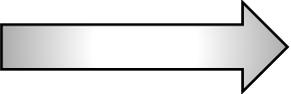
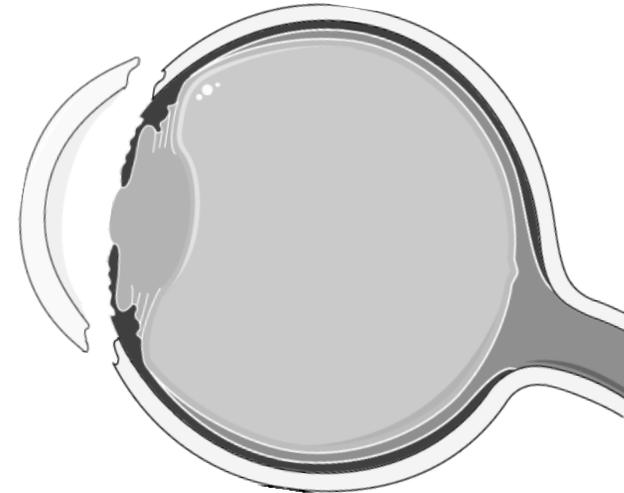



Figure 2. Schematic diagram of desirable properties of modified scaffolds for corneal engineering. (Figure 2 was partly generated using Servier Medical Art, provided by Servier, licensed under a Creative Commons Attribution 3.0 unported license).

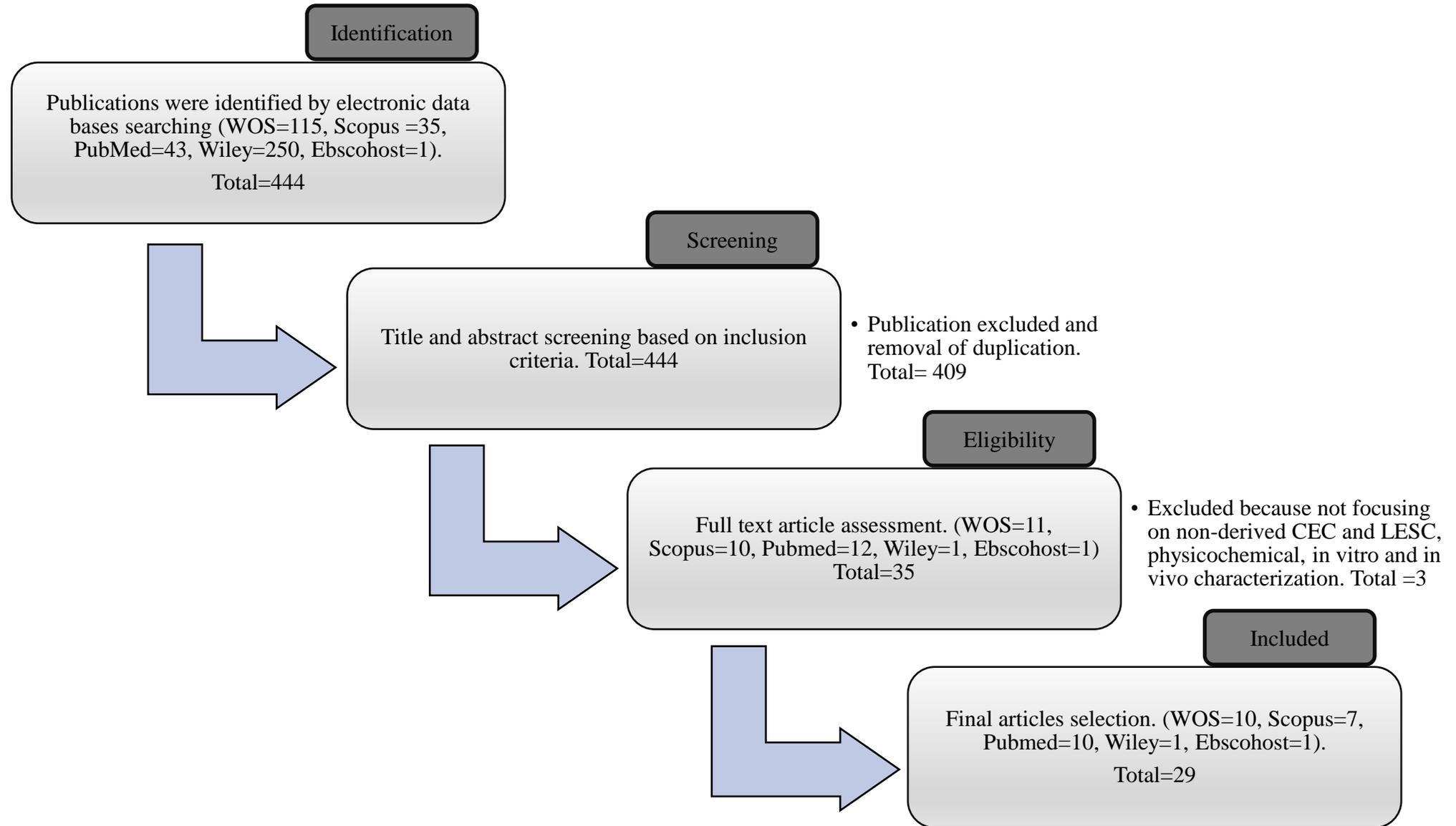


Figure 3. The process flow of the selection of the final articles from Web of Science, Scopus, PubMed, Wiley and Ebscohost databases.

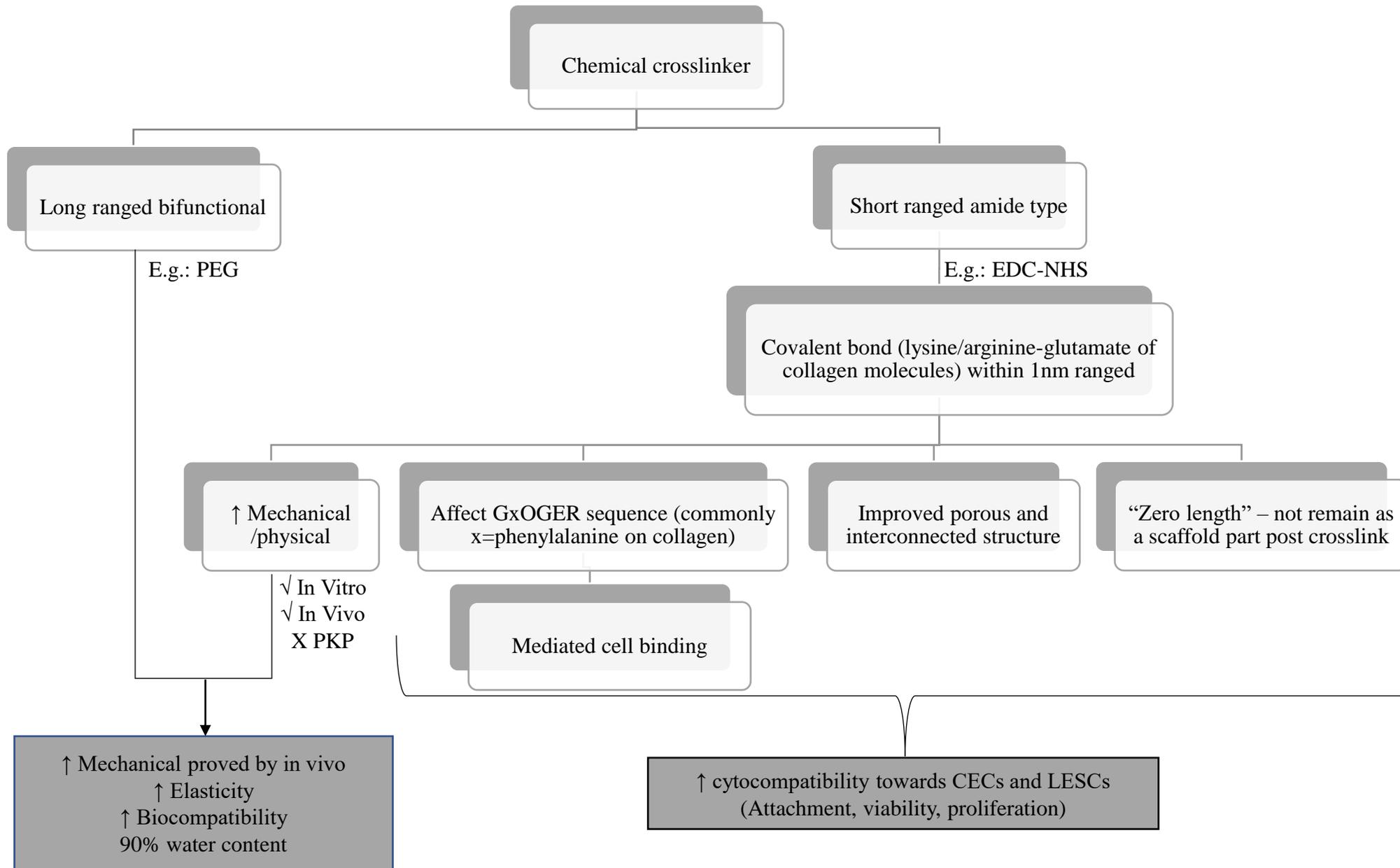


Figure 4. Overview of the chemical cross-linker used for recent 10 years based on selected articles