

Bölüm 5

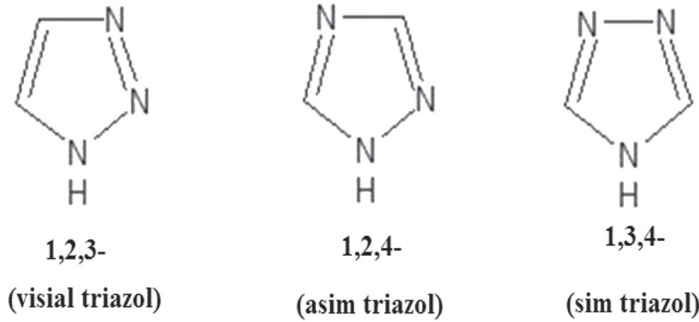
1, 2, 4-TRİAZOL BİLEŞİKLERİNİN FARMAKOLOJİK UYGULAMALARI:

ANTİ KANSER, ANTİ MİKROBİYAL VE ANTİOKSİDAN AKTİVİTELERİ

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GİRİŞ

Beş üyeli bir halkada üç azot atomu içeren sistem “triazasiklopentadien” veya kısaca triazol olarak bilinir. Heteroatomların halkadaki durumlarına göre 1,2,3- (visinal triazol) 1,2,4- (asimetrik, asim-triazol) ve 1,3,4 (simetrik, sim-triazol) olmak üzere birbirine izomer üç triazol halkası (Şekil 1) vardır (Shawmi ve Parhangi,1980:17833)



Şekil 1. İzomer üç triazol halkası.

Triazoller 1880’li yıllarda Bladin (1885) ve Andreocci (1889) tarafından bilim dünyasına tanıtılmış ve bu konudaki çalışmalar günümüze dek yoğun bir şekilde devam etmiştir. Triazoller, başta tautomerik özellikleri olmak üzere, değişik sübstitüentlerin yapısı üzerinde yerleştirilmesine uygun kimyasal aktiflikleri ile işlek bir konuyu oluşturmaktadırlar. Konuyla ilgili olarak Potts (1960) tarafından bir “Review”, Temple (1981) tarafından da “Triazols” adlı kitap yayımlanmıştır. Tri-

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