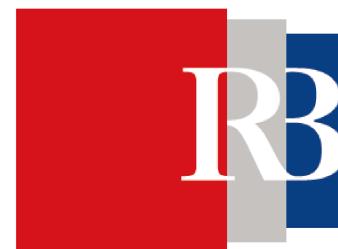


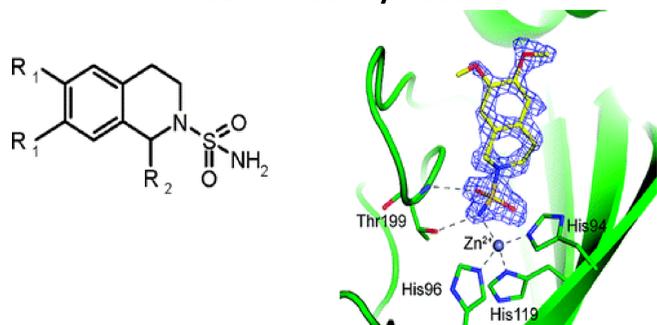
Synthesis of 1,2,3-triazolyl sulfonamido-ribofuranoside conjugates



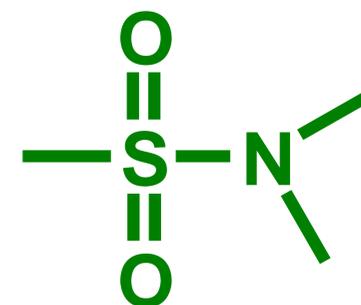
Željka Ban and Biserka Žinić

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carbonic anhydrase



Sulfonamides represents a class of medicinally important molecules known to possess wide variety of biological activities including antimicrobial, carbonic anhydrase inhibiting, antithyroid, antitumour, etc.

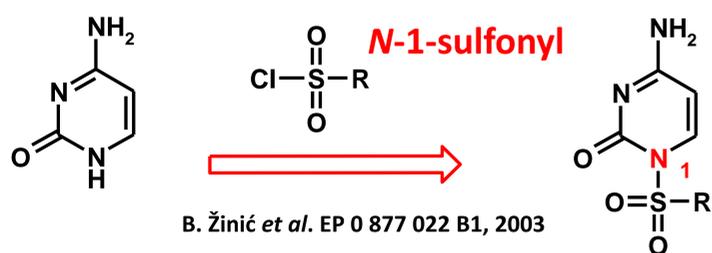


A. Supuran *et al.*, *Med. Res. Rev.* 23 (2003) 146–189.

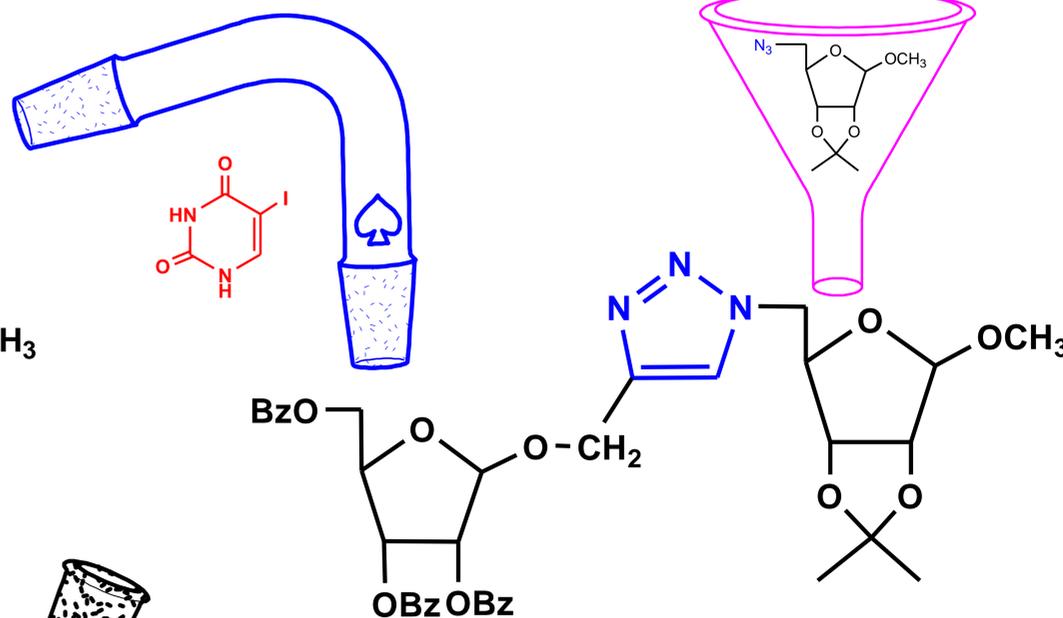
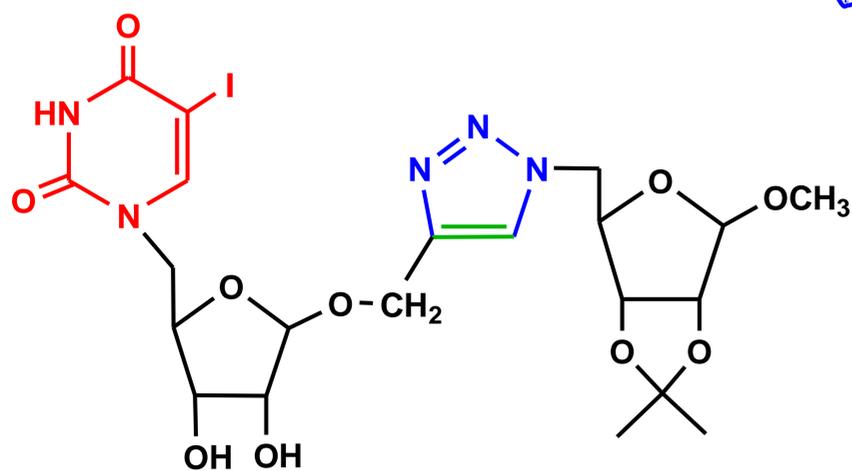
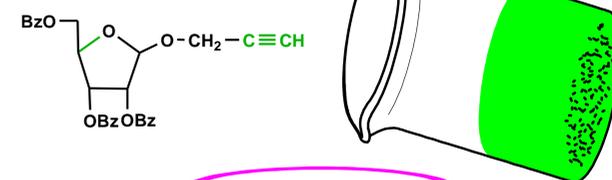
R. Gitto *et al.*, *J. Med. Chem.*, 2010, 53, 2401–2408

Recently, we have prepared a series of novel *N*-1-sulfonyl pyrimidine derivatives which exhibit strong antitumor activity.

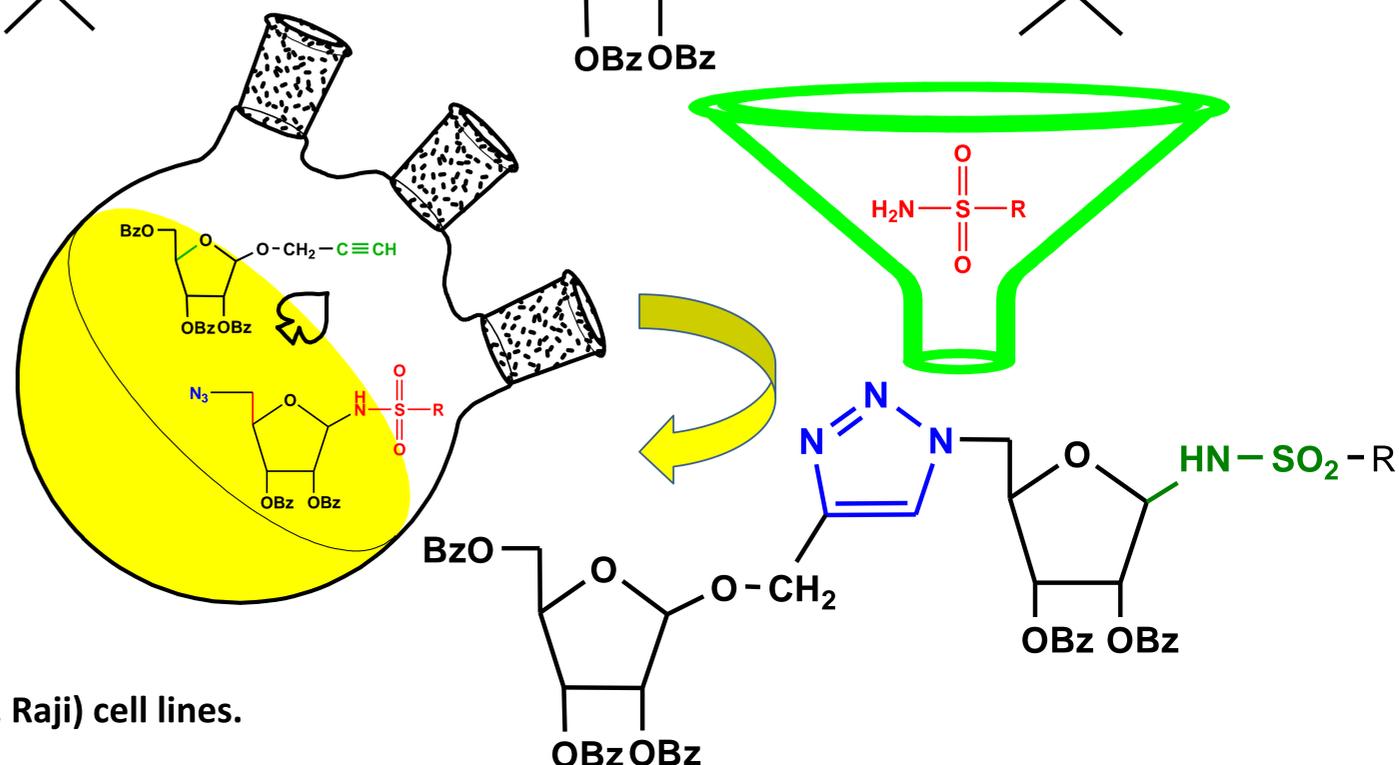
These results directed our interest toward **sulfonamido-ribofuranoside derivatives** as new candidates for compounds with antitumor activity.



B. Žinić *et al.* EP 0 877 022 B1, 2003



drug screening



The compounds showed moderate to high antiproliferative activity against human leukemia and lymphoma (K562, Raji) cell lines.