

2-methyl indoline is an isostere with dihydroindol

* Isoster= similar in steric and electronic environment.

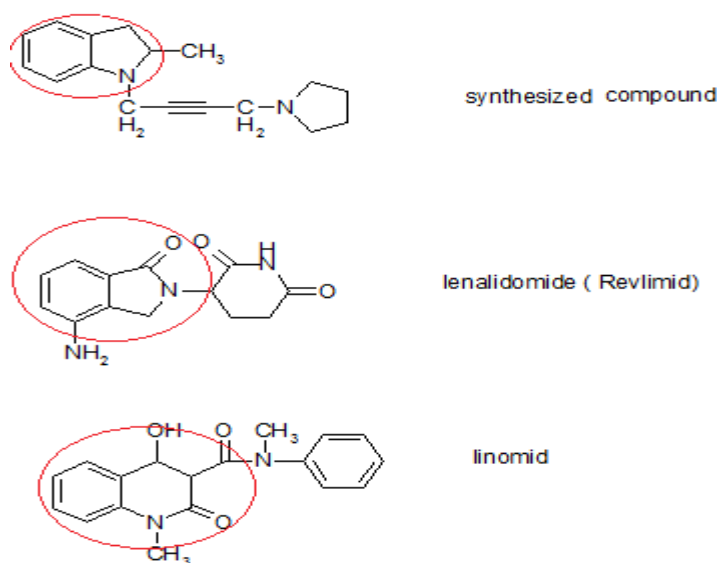


Figure 17: Similarity in steric and electronic environment between Lenalidomide, Linomide and Aminoacetylenic derivatives of 2-methylindoline.

And we replace glutarimide by our unique aminoacetylenic functional group, based on recent investigation in drug design named fractional base analysis.

1.6.10 Bevacizumab (Avastin)

Avastin is an investigational recombinant humanized antibody designed to target vascular endothelial growth factor (rhMAB-VEGF) and not its receptor (Willett *et al.*, 2004). Avastin inhibits VEGF, a protein that plays a critical role in tumor angiogenesis, and maintenance of established tumor blood vessels. The anti-angiogenic effects of Bevacizumab results in decreased tumour perfusion, vascular volume, microvascular density, interstitial fluid pressure and the number of viable, circulating mature and progenitor endothelial cells in patients with rectal carcinoma. Avastin is mainly used in rectal cancer and adenocarcinoma (Fayette *et al.*, 2005).