Piperazine Bioisosteres for Drug Design


Introduction and Aim

More than 100 FDA-approved drugs contain the piperazine moiety.1 Piperazine-based analogues may advantageously alter important pharmacokinetic properties when grafted onto molecular scaffolds.2-5 In 2018, chemists showed that replacing a piperazine ring in the drug Olaparib with the spirodiamine analogue beneficially affected activity and reduced cytotoxicity of the parent compound.6 Herein we have designed and synthesized a library of piperazine analogues for drug design.

Results

Contact

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References

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