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Synthesis and biological evaluation of novel 6,11-dihydro-5*H*-benzo[e]pyrimido-[5,4-*b*][1,4]diazepine derivatives as potential c-Met inhibitors

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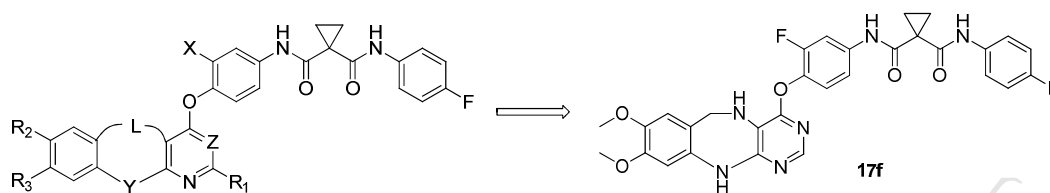
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Graphical Abstract

A series of novel 6,11-dihydro-5H-benzo[e]pyrimido[5,4-b][1,4]diazepine derivatives were designed, synthesised and evaluated for their c-Met kinase inhibition. The promising compound **17f** displayed favourable pharmacokinetic properties, an acceptable safety profile, and significant anti-tumour activity in the Caki-1 tumour xenograft model.

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