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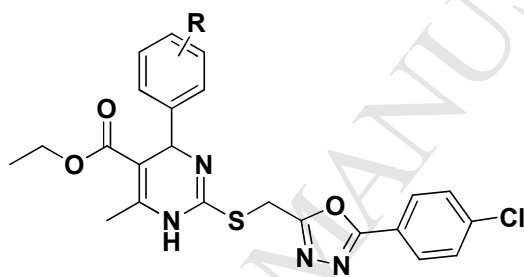
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Graphical Abstract

Design, synthesis and anticancer activity of new monastrol analogues bearing 1,3,4-oxadiazole moiety

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A series of dihydropyrimidines (DHPMs) bearing 1,3,4-oxadiazole moiety were designed and synthesized as monastrol analogues. Compound **9i**, **9k**, **9m** and **9n** possessed significant activity against HL-60(TB) and MOLT-4 compared to monastrol.



IC ₅₀ (μ M)	HL-60(TB)	MOLT-4
9i : R = 4-Cl	0.103	0.623
9k : R = 4-Br	0.143	0.086
9m : R = 3-Cl	0.056	1.788
9n : R = 2,4-di Cl	0.153	0.080
monastrol	0.147	0.215

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