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Synthesis of 1-[4-(6,7-dihydro-4*H*-thieno[3,2-c]pyridin-5-ylmethyl)-biphenyl-2-ylmethyl]-5-methyl-1*H*-[1,2,3]-triazole-4-carboxylic acid amide derivatives and evaluation of their platelet aggregation inhibition activity.

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Abstract : In the present study, a new kind of 1-[4-(6,7-dihydro-4*H*-thieno[3,2-c]pyridin-5-ylmethyl)-biphenyl-2-ylmethyl]-5-methyl-1*H*-[1,2,3]-triazole-4-carboxylic acid amide derivatives (**6a-p**) were synthesized. All newly synthesized compounds were characterized by IR, ^{1}H NMR, ^{13}C NMR and Mass spectra. The synthesized compounds were screened for their Anti-Platelet Aggregation activity. All the compounds showed moderate to significant biological activity compared with Clopidogrel bisulfate.

Key words : Antiplatetelet aggregation activity, triazole, thieno[3,2-c]pyridine, in vitro, aggregometry.

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