تم استخدام مركب ٢-امينوثيازول المتوفر فى تصنيع مركبات جديدة حيث اثبتت فاعليتها كمضادات لتجلط الدم فى فئران التجارب.

A series of novel thiazole derivs. were synthesized by initial condensation of Me 2-(thiazol-2-ylcarbamoyl)acetate with Ph isothiocyanate and further reactions using different org. reagents. The structures of newly synthesized compds. were confirmed by IR, 1H NMR, EIMS spectral data, and elemental anal. Initially the acute toxicity of the compds. was assayed via the detn. of their LD50. All the compds. were screened for their antiarrhythmic and anticoagulant activities and they showed high antiarrhythmic activity compared with procaine amide and lidocaine as pos. controls. The detailed synthesis, spectroscopic data, LD50, and pharmacol. activities of the synthesized compds. were reported.