



Title	Synthesis of 5-(Aminoacylamido)-3-methylisoxazole Derivatives and Their Analgesic Action		
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ABSTRACTS

Synthesis of 5-(Aminoacylamido)-3-methylisothiazole Derivatives and Their Analgesic Action

Shojiro Uyeo, Hajime Fujimura and Atsushi Asai

Yakugaku Zasshi (Journal of the Pharmaceutical Society of Japan), 83, 195 (1963)

5-(2-Haloacylamido)-3-methylisothiazoles were prepared by treatment of 5-amino-3-methylisothiazole with 2-haloacyl halides and afforded with dimethylamine, diethylamine, piperidine, morpholine and pyrrolidine the corresponding 5-(2-alkylaminoacylamido)-3-methylisothiazoles respectively. Interaction of 5-amino-3-methylthiazole and p-nitrobenzoyl chloride gave 5-(p-nitrbenzamino)-3-methylisothiazole which was reduced with iron in acetic acid to afford 5-(p-aminobenzamido)-3-methylisothiazole. Analgesic action and toxicity of these compounds were tested and most of them, especially compounds V, VI, X, and XI were more effective than aminopyrine.

	Compd.	Subst	ituents
	No.	Ŕ	Νω
CH ₃	V	H	N
l Nω	VI	H	N_O
N NHCOCH-R	X	CH ₃	Ń
	XI	СН₃	N_O

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