

## Synthesis and pharmacological screening of derivatives of isoxazolo[4,3-*d*] pyrimidine and isoxazolo[4,5-*d*]pyrimidine.

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### Streszczenie

A number of derivatives of isoxazolo[4,3-*d*]pyrimidine and isoxazolo[4,5-*d*]pyrimidine were prepared with potential anticancer activity. Condensation of 4-amino-5-benzoyl-isoxazolo-3-carboxylic acid hydrazide with ethyl orthoformate and then with different amines gave a series of 3-benzoyl-7-oxo-7*H*-isoxazolo[4,3-*d*]pyrimidin-6-yl-arylidene-formamidine. A series of 5-aminomethyl-7-phenyl-isoxazolo[4,5-*d*]pyrimidine-3-carboxamide was obtained from 4-amino-5-benzoylisoxazole-3-carboxamide with acetonitrile, and chloroacetonitrile with gaseous hydrogen chloride. Some of these compounds were tested for their cytotoxic activity.

### Adres publiczny

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