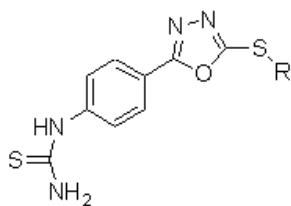


a 2010 0103

The invention relates to 1,3,4-oxadiazole compounds containing monosubstituted thiourea, in particular to their derivatives manifesting antituberculous properties. The compounds, according to the invention, correspond to general formula:



where:

R = benzyl (1a);

R = 2,4-dichlorophenacyl (1b);

R = allyl (1c);

R = pyridin-4-ylmethyl (1d).

The synthesis includes the following stages: hydrazinolysis of ethyl-p-aminobenzoate, cyclization-isothiocyanation-thiolation of the obtained hydrazide with tetramethylthiuram disulphide in DMF, thioalkylation and finally ammonolysis of the isothiocyanate group with ammonia aqueous solution.

The compounds manifest *Mycobacterium tuberculosis* culture growth inhibition properties.

Claims: 1