

Synthesis, Antiproliferative Activity of Nitrile Containing Pyranes and 1,2,5,6,7,8-Hexahydroquinoline-3,3,4,4-Tetracarbonitriles

**Vladimir P Sheverdov, Maksim A Mar'yasov, Vera V Davydova, Oleg E Nasakin and
Konstantin A Lyssenko**

Methyl 6-Amino-3-acyl-4-aryl-5-cyano-4H-pyran-2-carboxylates, 9-aryl-12-imino-10,11 dioxatricyclo-[5.3.2.0^{1,6}]-dodecan-7,8,8-tricarbonitriles, 2-R-1,2,5,6,7,8-hexahydroquinoline-3,3,4,4-tetracarbonitriles were synthesized. The antiproliferative activity of obtained compounds was investigated. At a concentration of 10 μM test substances activity higher than that of the drug busulfan and cisplatin showed a compounds containing in its composition fragment of ethyl 1,1,2,2-tetracarbonitrile - 2-R-1,2,5,6,7,8-hexahydroquinoline-3,3,4,4-tetracarbonitriles.