

SYNTHESIS OF NOVEL FUSED 2-AMINO BENZOTHAZOLE DERIVATIVES

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2-Amino-4-nitrophenol (**3**) was treated with chloroacetyl chloride in the presence of NaHCO₃ and triethylbenzylammonium chloride in acetonitrile to afford 6-nitro-4*H*-benzo [1,4] oxazin-3-one (**4**). The latter, on treatment with Mel gave 4-methyl-6-nitro-4*H*-benzo [1,4] oxazin-3-one (**5**). Reduction of **5** with iron powder and aq. NH₄Cl gave 6-amino-4-methyl-4*H*-benzo [1,4] oxazin-3-one (**6**), which on further treatment with ammonium thiocyanate & bromine in acetic acid gave 2-amino-8-methyl-8*H*-5-oxa-3-thia-1,8-diaza-cyclopenta (*b*) naphthalen-7-one (**7**). Condensation of **7** with various acid chlorides in acetonitrile containing diisopropylethylamine (DIPEA) base gave the novel fused benzothiazolo benzoxazinone acyl derivatives **8**.