**PEG mediated synthesis of 6-pyrazinyl- / fused pyrazinylquinazolin-4(3*H*)-ones using Castro-Stephen coupling, oxidation and cyclocondensationreactions**

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Scheme 1. Preparation of 1-(3-methyl-4-oxo-2-phenyl-3,4-dihydroquinazolin-6-yl)-2-phenylethane-1,2-dione (**3**)



Scheme 2. Synthesis of 3-methyl-2-phenyl-6-pyrazinyl / fused pyrazinylquinazolin-4(3*H*)-ones (**5** and **7**)



Scheme 4. Synthesis of 3-methyl-2-phenyl-6-fused pyrazinylquinazolin-4(3*H*)-one regioisomers (**9a-f** and **9a’-f’**)