2-Azaanthraquinones: Building Blocks for New Ring-Fused Imidazoles and their Transformation into Benzo[*f*]isoindole-4,9-diones

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The modification of 2-azaanthraquinones with selected C_1 building blocks gives a series of new imidazo-fused derivatives. Employing 2,3-dichloro-5,6-dicyanopyrazine as cyclization partner a rearrangement to yield derivatives of benzo[*f*]isoindole-4,9-dione takes place. The Sonogashira cross-coupling reaction of the aminalester derivative of the azaanthraquinone resulted in well soluble silyl substituted acetylenes as well as ethinyl aniline which allows further derivatization reactions.

Key words: Azaanthraquinones, Ring Transformation, Cross-Coupling Reactions, Crystal Structure