

# A Surprising Formation of Novel Bridged Bis-Benzimidazoles by Oxidation of Diaminoquinoxalines

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A synthesis of novel hexacyclic bis-benzimidazoles **6** starting from 2,3-diarylamino-quinoxalines *via* an oxidative cyclization cascade is described. These very stable and high-melting derivatives are featured by their strong fluorescence in the blue region of the visible spectrum. The cyclization reaction between 2,3-dichloroquinoxaline and 1,2-phenylenediamine did not lead to derivatives of type **6**. In this case, only fluoflavine **7** was isolated quantitatively.

*Key words:* Bis-Benzimidazoles, *ortho*-Annulation, Quinoxalines, Fluorophores