

# Chemistry of Polyhalogenated Nitrobutadienes, Part 9: Acyclic and Heterocyclic Nitroenamines and Nitroimines from 2-Nitroperchlorobuta-1,3-diene

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Various amino, diamino, aminothio, or benzotriazolo compounds derived from the exceedingly versatile 2-nitroperchlorobutadiene (**1**) gave structurally interesting and physiologically promising nitro-enamines, -imines, -amidines, and hydrazines as well as ring closure reaction products, *e. g.* pyrimidines and pyrazoles. Most of these reactions turned out to be highly selective with good to very good yields. The structure of the pyrazole precursor (*E,E*)-1-(benzotriazol-1-yl)-4,4-dichloro-3-(4-ethoxyphenylamino)-1-(4-ethoxyphenylimino)-2-nitrobut-2-ene (**30**), due to its exceptional substitution pattern, was evidenced by single-crystal X-ray diffraction analysis.

*Key words:* Nitro Compounds, Nucleophilic Substitution, Pyrimidines, Pyrazoles, Betaines,  
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