

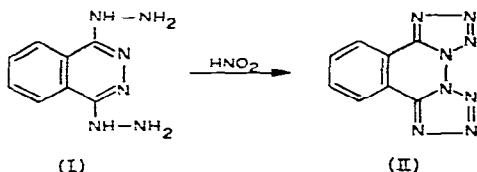
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Letter to the Editor

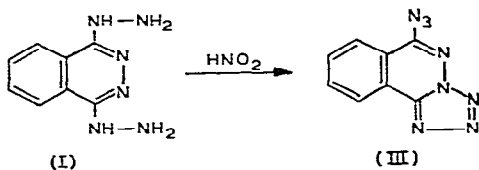
Measurement of dihydralazine by high-performance liquid chromatography

Sir,

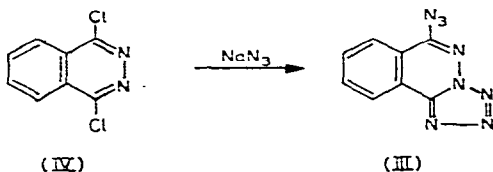
The recent paper by Waller *et al.*¹ in this journal on the high-performance liquid chromatographic analysis of dihydralazine (I) describes the reaction with nitrous acid to give ditetrazolophthalazine (II):



This claim is not in accord with the published literature. In 1959 Reynolds *et al.*² claimed the reaction product of dihydralazine with nitrous acid to be 5-azido-1,2,3,3a,4-pentazo-cyclopent[*e*]indene I(III):

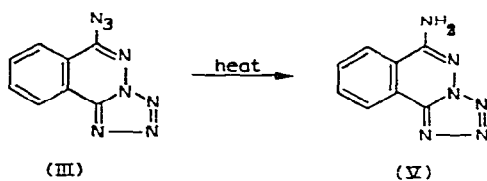


They based their claim on the fact that the product (III) is identical with that produced when sodium azide is reacted with 1,4-dichlorophthalazine (IV) as described by Stollé and Storch³:



Stollé and Storch described their reaction product (III) as tetrazolo-1,2-azido-4-phthalazine dihydride-1,2 and found that on refluxing it in tetralin it gave off the

theoretical amount of nitrogen to yield tetrazolo-1,2-amino-4-phthalazine dihydride 1,2(V).



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- 1 A. R. Waller, L. F. Chasseaud and T. Taylor, *J. Chromatogr.*, 173 (1979) 202.
- 2 G. A. Reynolds, J. A. Van Allan and J. F. Tinker, *J. Org. Chem.*, 24 (1959) 1205.
- 3 R. Stollé and H. Storch, *J. Prakt. Chem.*, 135 (1932) 128.

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