

CONTENTS

	<u>Page</u>
Summary	I
Introduction	
I. Biologically active aromatic-sulphonyl amino acid derivatives	1
II. Chemistry of dinitro benzoic acids	17
1. New colour test for amino acids	17
2. Acids salts	17
3. Nucleophilic substitution in the benzene ring	18
4. 3:5-Dinitro benzoate of alcohols and phenols	18
5. Deobner-Miller reaction	18
6. Decarboxylation of dinitro benzoic acid	19
7. Dinitro benzoic acid derivatives as colorimetric reagents for inorganic cations	19
8. Reaction with hydrocarbons	19
9. Reduction of 3,5-dinitro benzoic acid and its derivatives	20
10. Molecular compounds with different tertiary amines	21
11. Estrification	21
12. Reaction with hydrazine hydrate	22
13. Hydrolysis of 3,5-dinitrobenzoates	22
Discussion	
The reaction of some amino acids with different aromatic compounds and synthesis of derivative with expected biological activities	24

I. Synthesis of amino acid methyl ester hydrochlorides	31
II. Synthesis of 3,5-dinitro benzoyl chloride	34
III. Synthesis of 3,5-dinitro benzoyl amino acids	34
IV. Synthesis of 3,5-dinitro benzoyl amino acid methyl esters	38
V. Synthesis of 3,5-dinitro benzoyl amino acid hydrazides	41
VI. Synthesis of dipeptides	43
Experimental	47
References	77