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FUROPYRANS and FUOPYRONES; Contents; I. Fumopyrans and -pyronea; I. Naturally Occurring Furopyrans; 1. Plumericin; 2. Anhydrotetrahydroaucubigenin; II. Synthetic Furopyrans and -pyrones; III. References; II. Furocoumorins; I. Isolation; II. Physical Properties; III. Nomenclature; IV. Naturally Occurring Furocoumarins; 1. Structure and Chemical Properties; A. Angelicin; B. Psoralen; C. Bergapten; D. Bergaptol; E. Isobergapten.; F. Bergamuttin.; G. Xanthotoxin; H. Xanthotoxol; I. Isoimperetorin; J. Oxypeucedanin; K. ostruthol; L. Imperstorin; M. Alloimperatorin; N. Herdenin; O. Isopimpinellin P. Phellopterin Q. Byekangelicol; R. Byakangelicin; S. Pimpinellin; T. Sphondin; U. Halfordin and Isohalfordm; V. Nodakenetin.; W. Peucedanin; X. Athamantin; Y. Discophoridin; Z. Edultin; AA. Peulustrin; BB. Columbiansdin and Columbisnin; CC. Archangelicin; DD. Archangelin; EE. Pyrocanscin; FF. 4,5',8-Trimethylpralen; GG. Aflatoxins B and G; 2. Configuration; 3. Biosynthesis; A. a-(B'-Hydroxypropyl)dihydrofurans and a-Isopropenyl-dihydrofurans; B. a-Isopropyl-B--hydroxyfurans and Relations; C. Simple Furans; 4. Physiological Activity; V. References; III. Furochromones; I. Isolation II. Physical Properties III. Nomenclature; IV. Naturally Occurring Furochromones; 1. Chemical Properties; A. Khellin; (1) synthesis of khellin; (2) Synthesis of khellin analogs; (3) Reactions; B. Visnagin; (1) synthesis of visnagin; (2) Synthesis of visnagin analogs and related transformations; (3) Reactions; C. Khellinol; D. Khellinin; E. Khellol; F. Anamiol; G. Visanminol; 2. Color Reactions; 3. Physiological Activity; V. References; IV. Furoxanthones; I. Naturally Occurring Furoxanthones; 1. Sterigmatocystin; II. Synthetic Furoxanthones; III. References; V. Furoflavones; I. Isolation II. Physical Properties III. Naturally Occurring Furoflavones; 1. chemical Properties; A. Karanjin; B. Lanceolatin B; C. Pongapin; D. Kenjone; E. Pongaglabrone; F. Atanasin; G. Gamatin; H. Pinnatin; IV. Synthetic Furoflavones; 1. Linear-type; 2. Angular-type; V. References; VI. Furoisoflavanoids; I. Introduction; II. Furoisoflavanones; 1. Naturally Occurring Furoisoflavanones; A. Nepseudin; B. Neotenone; 2. Synthetic Furoisoflavanones; A. Angular Furoisoflavanones; (1) Introduction of a furan nucleus into an isoflavone skeleton (Tanaka's method); (2) Ethyl orthoformate method (Venkataraman) B. Linear Furo(3'',2''-6,7)isoflavanones III. Coumaranochromans; 1. Introduction; 2. Naturally Occurring Coumaranochromans; A. Homopterocarpin; B. Pterocarpin; C. Maackiain; D. Pisatin; E. Neodulin; F. Phaseollin; IV. Coumaronoflavan-4-ols; 1. Naturally Occurring Coumaronoflavan-4-ols; A. Cyanomaclurin; 2. Synthetic 11H-benzofuro(3,2-b)-1-benzopyran-11-ones; V. Coumaronocoumarins; 1. Naturally Occurring Coumaronocoumarins; A. Coumestrol; B. Wedelolactone; C. Trifoliol; D. Medicagol; E. Psoralidin; VI. 3-Arylfurocoumarins; VII. Coumaronofurocoumarins; VIII. Furo(3,2-c)-1-benzopyran-4-ones IX. Physiological Activity

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