

REFERENCES

4. References

Andrew, G. Myers, BinZheng, and Mohammad Movassaghi;(1997); Preparation of the Reagent o-Nitrobenzene sulphonyl hydrazide ; *J. Org. Chem.* , 62, 7507.

Arzniem Forch.;and Gutsche K. Von., (1974);Benzene sulphonamido-pyrimidine. *Drug Res.* 24,Nr.7; 1028.

Audrieth L. F.and M. Yon Rauchitsch; (1956) ; Synthesis of Sulphonylhydrazide ; *J. Org. Chem.*, 21, 426.

Azumaya I. , Okamoto T. , F. Imabeppu, H. Takayanagi, (2003); *N*-monoalkylated anilines using dichlorotriphenylphosphorane; *J.of Tetrahedron*, 59, 2325-2331.

Beaudoin Serge, Kenneth E. Kinsey, and James F. Burns ;(2003) , Preparation of Unsymmetrical Sulphonylureas from *N,N*-Sulphuryldiimidazoles; *J. Org. Chem.*,**68**, 115-119.

Belhadj H. and Tahar; (2003), Toxicovigilance ; New biochemical tool used in sulphonylureas herbicides toxicology studies; *J. of Acta Pharm.* 53,111–118

Benfodda Z. L., Delon F. ,Guillen , and Blancou (2007), New synthesis of poly fluoro alkane sulphonylureas. *J. Of Fluorine chemistry*, 1353-1358.

Berdeaux O. ; De Alencastro L. F.; Grandjean D. ; Tarradellas J. ; (1994); Supercritical Fluid Extraction of Sulphonylurea Herbicides in Soil Samples; ***International Journal of Environmental Analytical Chemistry***, **56**, , 109 - 117 .

Bowman W.C.,and Rand, M.,J.; (1968); Drugs acting on the endocrine system ;Text book of pharmacology, Blackwell scientific publications; Oxford; 851- 855.

Brere, H.; Rufer, C.; Ahrens, H.; Loge, O. and Schroder, E.; (1974); Blood glucose lowering sulphonamides with asymmetric carbon atoms; *J. Med. Chem.* **17**, 716–721.

Brown G. R., and Foubister, A. J.; (1984); Receptor binding sites of hypoglycemic sulphonylureas and related [(acylamino)alkyl] benzoic acids; *J. Med. Chem.* 27; 79–81.

Bullmer , Ian MD ; Alan, L.M D ; Rubin ;(2006); Diabetes for canadias for Dummies;Understanding Prescription Drugs For canadias for Dummies; 1st edition ; 315.

Burger Alfred; (1970); Hypoglyceamic agents; Medicinal chemistry; third edition; part 2;Wiley-Interscience, and Vision of John Wiley and Sons; London, Sydney ;1172 – 1184.

,(Byeang H. K, Mi Kyoung Ahn, and Gil Tae Hwang; (1999 Hydrogen Bonding Patterns in Sulphonylureas: Pattern Dependence On the Nature of Amine Substituent. *Bull. Korean Chem. Soc.*, Vol. 20, No. 3 273.

Caddick Stephen, Jonathan D. Wilden, and Duncan B. Judd, (2004) Direct Synthesis of Sulphonamides and Activated Sulphonate Esters from Sulphonic Acids *J. Am. Chem. Soc.*, 126 (4), 1024 -1025.

Campbell I . ;(2007); Oral antidiabetic drugs, their properities and recommended use. Prescriber; Drug review; volume NO. 18 Issue NO. 619 .

Carey, A.Francis; (1987); Aryl amines; Organic chemistry; Mc Graw.Hall book Company,New york ;933 – 934.

Coffey S. ; (1971); Rodd's chemistry of carbon compounds. Amodern comprehensive treatise- seven edition, Vol. 3 part A; Aromatic compounds, General introduction; Elsevier pub. Company, London, newyork, 477.

Corey, E.J. ;Wipke,W.T.; Cramer,R.D. and Howe,W.J. ;(1972); Computer -assisted synthetic analysis . Facile man - machine communication of chemical structure by interactive computer graphics;*J.Am.Chem.Soc.*;94:423-431.

Cremlyn. RJ and Pannell , RW .;(1978) ;Some sulphonyl derivatives of phenoxyacetamide ; *Australian Journal of Chemistry* ; 31(12) 2669 –2674.

Cremlyn ;(1970); Sulphonyl Carbazates ; *J.Chem.Soc.,C.*; 2629-2630.

Dann, A. T.; Davies, W.; (1929); Preparation of NBSH from o-nitrobenzene sulphonylchloride and hydrazine in benzene ; *J. Chem. Soc.*, 1050.

De Maagd G.; Geibig J.D. ;(2006); An Overview of Overactive Bladder and its Pharmacological Management with a Focus on Anti cholinergic Drugs. *P and T Journal*; 31(8): 462-474

Dineen T. A., M. A. Zajac; A. G. Myers;(2006); Efficient Transamidation of Primary Carboxamides by in Situ Activation with *N,N*-Dialkyl formamide Dimethyl Acetals; *J. Am. Chem. Soc.*, , 128, 16406-16409.

Eriens, E., J.; (1975); The design of organ-imaging radiopharmaceuticals; Medicinal Chemistry, A series of monographs volume ii vi, academic press, New York, London; 224 .

Franke, H, and Fuchs, J., (1955), Historical feature of sulphonylureas *Deut. Med. Wochschr.*, 80, 1449.

Furniss, B.S.; Hannaford, A.J.; Smith, P.W.G. and Tatchell, A.R.; (1989); *Vogel's Text Book of Practical Organic Chemistry*; Longman Scientific and Technical; Fifth edition; 17-19.

Furlong, E. T. M. R. Burkhard, P. M. Gates, S. L. Werner, and W. A. Baltaglin; (2000) ; Backgrounder on sulphonylureas herbicides; *J. of Sci. total Environm* ; 248 135–146.

Finar, I.L.; (1994); Ester ; *Organic Chemistry : The Fundamental principles*; Sixth edition; Vol.1; ELBS with Longman; Singapore; 252 – 254.

Finar, I.L., (1994); Carbonic acid and its derivatives ; *Organic Chemistry : The Fundamental principles*; Sixth edition; Vol.1; ELBS with Longman; Singapore; 458 - 461.

Geissman, T.A ; (1977) ; Carboxylic acids and acid derivatives ; *Principles of organic chemistry*; fourth edition; Freeman W.H. and company; San Francisco, USA; 536 – 537 .

Giannessi, F.; Chiodi, P.; Marzi, M.; Minetti, P.; Pessotto, P.; De Angelis, F.; Tassoni, E.; Conti, R.; Giorgi, F.; Mabilia, M.; Dell'Uomo,

N.; Muck, S.; Tinti, M. O.; Carminati, P.; Arduini, A.; (2001); Sulphamoyl chlorides prepared from the reaction of an amine with sulphuryl chloride; *J. Med. Chem.*, 44, 2383-2386.

Gowda, B.; Thimme, K. Jyothi, and Souza, J. D. D; (2002) ; Infrared and NMR Spectra of Arylsulphonamides; Mangalore Department of Post-Graduate Studies and Research in Chemistry ;University ,Z. Naturforsch. 57a, 967 – 973

Grell, W., Hurnaus, R., Griss, G., Sauter, R., Rupprecht, E. Mark, M., Luger, P., Nar, H., Wittneben, H., and Muller, P.; (1998) ; Repaglinide and related hypoglycaemic benzoic acid derivatives; *J. Med. Chem.* 41, 5219–5246

Guillaum Hoizey, Denis Lamiable, Thierry Trenque, Arnaud Robinet, Laurent Binet, Matthieu L. Kaltenbach, Sandrine Havet and Hervé Millart ;(2005) ; Identification and Quantification of 8 Sulphonylureas with Clinical Toxicology Interest by Liquid Chromatography–Ion-Trap Tandem Mass Spectrometry and Library Searching Clinical Chemistry; 51:1666-1672.

Houghton P. J., J. Sosinski, S. H. Thakar, G. B. Border, and G. B. Grindey;(1995) ; Preparation of sulphonylureas as antitumor; *J. of Biochem .Pharmacol.* 49; 661–668.

Hou T. J, Z. M. Li, Z. Li, J. Liu, and X. J. Xu; (2000) ;Three Dimensional Quantitative Structure-Activity Relationship Analysis of the New Potent Sulphonylureas Using Comparative Molecular Similarity Indices Analysis *J. of Chem. Inf. Comput. Sci.*, 40, 1002-1009

Howert JJ.,;Grossman CS.;(1990); Novel agents effective against solid tumors: The diarylsulphonylureas: Synthesis, activities and analysis of quantitative structure-activity relationships; *J Med Chem*; 33: 2393-2407.

Z. Huang, J. R. Reilly, R. N. Buckle,(2007), methyl sulfide complex is used to generate triacyloxyboranes *J. of Synlett*, 1026-1030.

Jaime, N. Delgado and William A .Remers; (1991); Sulphonamides, Sulphones and Folate Reductase Inhibitors with Antibacterial action ; Text book of organic medicinal and pharmaceutical chemistry; ninth edition; J.B.lippincott Company ;191 – 205.

Jabaicky, J.; (1970); The Chemistry of Amides, ed., Interscience London, . protein chemistry

Janbon M, Chaptal J, Vedel A, Schaap J (1942). "Accidents hypoglycémiques graves par un sulphamidothiodiazol (le VK 57 ou 2254 RP)". Montpellier Med. 441: 21-22.

Kane, Gill SL.; Devlin, JW. ;(2006); Adverse Drug Event Reporting in Intensive Care Units; *Pharmacotherapy*; 40: 1267-73.

Kasnar- Samprec Jelena,a Ljubica GlavaS-Obrovac,b Marina Pavlak,c Ivica Mihaljevi},(2005)Synthesis, Spectroscopic Characterization and Biological Activity of N-1-Sulphonylcytosine Derivatives *J.Croat. Chem. Acta* **78** (2) 261–267.

Keillor, J. W.; Huang, X.,(2002); Hofman degradation, *Organic Syntheses*, Coll. Vol. **10**,549 ; Vol. **78**, 234

Kenneth E. Kinsey, and James F. Burns;(2003) ; Preparation of unsymmetrical sulphonylureas from N,N ,- sulphonyl diimidazoles ; *J. org. chem.*; **789**,1479.

Klimes I., E. Sebkova, D. Gasperikova, A. Mitkova, S.; (1998) Search for extrapancreatic effects of new oral hypoglycaemic agent A-4166:1 Oral Glucose tolerancetests in normal and heredit aryninsulin resistant rates. *J. of Endocrine Regulation* , Vol. **32**, 115 . 123.

Kloek, J,A; Leschinsky, K,L . J .Org. chem.. 1976- 41, 4028

Kulkarni R N, Wang Z-L, Wang R-M, Smith D M, Ghatei M A and Bloom S R ; (2000); Glibenclamide but not other sulphonylureas stimulates release of neuropeptide Y from perifused rat islets and hamster insulinomacells *J. of Endocrinology* **165**, 509–518

Lebovitz HE. and Feinglos MN.:(1983); The oral hypoglycaemic agents. In Diabetes Mellitus; Theory and Practice, edn 3; Eds M Ellenberg & H Rifkin. New York;; 591–610.

Larner, J.Goodman and Gilman's ;(1980) ; The Pharmacological Basis of Therapeutics; 6th ed.; Macmillan Publishing Co. Inc.; New York ; 1510.

Levitt, G. Baker, D. R.; Fenyes, J. G.; Moberg, W. K. Eds; ACS ;(1991); Symposium Series In Synthesis and Chemistry of Agrochemicals II; 443, 16.

Lewis, J.J.;(1980); Insulin, glucagon and diabetes mellitus; Pharmacology; James Crossland, Churchill living stone, London, New York; 721- 731.

Lester LR. Crill CM. Hak EB.;(2006); Should Adding Albumin to Parenteral Nutrient Solutions be Considered an Unsafe Practice; *American Journal of Health-System Pharmacists*; 63(17): 1656-61.

Loubatieres, A.; (1969); The discovery of hypoglycaemic sulphonamides and particularly of their action mechanism *J. of Acta. Diabetol. Lat.* 6 (Suppl 1), 20–56

March, Jeery; (1992); Advanced organic chemistry: reactions, mechanisms and structures; copyright John Wiley and inc; Canada; 495-496.

Marshall, J. Frederick and Sigal, V. Max; (1958); Some *N*-Arylsulphonyl-*N*-alkylureas; *J. Org. Chemistry*; 23, 927.

Mayer, J. F. and Wagner, E. C.; (1943); The Niementowski reaction, The use of methyl anthranilate or isatoic anhydride with substituted amides of amidines in the formation of 3-substituted-4-keto-3,4-dihydroquinazolines. The course of the reaction; *J. Org. Chem.*; viii:239-251

Meyer Miriam, Franz Chudziak, Christina Schwanstecher, Mathias Schwanstecher and Uwe Panten; (1999); Structural requirements of sulphonylureas and analogues for interaction with sulphonylurea receptor subtypes, *British J. of Pharmacology*, 128, 27–34; doi:10.1038

Mohamadi, M.; Spees, F. M.; and Grindley, G. B.; (1992); Sulphonylureas: A new class of cancer chemotherapeutic agents; *J. Med. Chem.*; 35 3012–3016.

Morré, D. J. C. Geilen and D. M. Morré ;(2005;Golgi apparatus respond to the antitumor sulphonylurea N-(4-methylphenylsulphonyl)-N'-(4-chlorophenyl)urea (LY 18 1984) in sulphonylurea-susceptible but not in resistant cell lines; *J. of Arzneimittelforschu* 81-95 .

Movassaghi M., Schmidt M. A.; (2005) ; amidation of unactivated esters with amino alcohols *J. Org. Lett.*, 7, 2373-2376.

Naik, S. G. Bhattacharjya, B. Talukdar, B. K. Patel, (2004)Amines are efficiently acylated by both cyclic and acyclic anhydrides in aqueous medium with sodium dodecyl sulphate (SDS) ; *Eur. J. Org. Chem.*, 1254-1260.

Nglerz Richardf Rancilsa ,O' pitoa Lessiom ARI (1979). Sulphides as precursors for sulphonyl chloride synthesis *Can. J. Chem*, 57.3193

Norman, R.O.C.;(1968);Structure and Molecular Rearrangement; Principle of Organic Synthesis; New Fetter_Lane. London; First published; 67-70,543. .

Osman,S.A.;Abdalla,A.A. and Altaib, M.O; (1983);Synthesis of sulphonamideo- Naphthoquinones as potential antituberculous agents; *J. pharm. Sci* , 72; 68-71.

Patlak, M.; (2002); "[New weapons to combat an ancient disease: treating diabetes](#)". *FASEB J.* 16 (14): 1853. [PMID 12468446](#).

Paice , BJ., Patterson ,KR and Lawson, DH; (1985); Undesired effect of sulphonylurea drugs. *Adverse Drug React Acute Poisoning Rev* 4 23–36.

Pavlak Marina, Marko Radačić, Jure Jerčić1, Ranko Stojković, Ksenija Vlahović1, and Biserka Žinić; (2005) ; Acute toxicity of novel N-sulphonylpyrimidine derivatives *in vivo*. *J. of VETERINARSKI ,ARHIV* 75 (4), 311-316

Pfeifer MA, Halter JB, Judzewilch RG.,1984 ; Acute and chronic effects of sulphonylurea drugs on pancreatic islets function in man - *Diabetes care* ,7 suppl 1: 25-35 [abstract]

Poshkujs, A. C. . Herweh, E, and Magnott, F. A.; (1963) ; The Synthesis of Aromatic Sulphonyl Bromides from Sulphonylhydrazides ; *J. Amer .Chem . Soc.*, 28, 2766.

Pogorelova ,I.P, Drlov V.D, and Isak A.D.,(2006) ;Synthesis of 6-methyl (uracil -5-sulphonylchloride) *J. of Russian Applied Chem.*,**79** , 631-633.

Prince M J and Olefsky J M ;(1980) ;Direct in vitro effect of a sulphonylurea to increase human fibroblast insulin receptors; *J. of linInvest* ;**66** ,608-611.

Ronalkd . Rossland', and kenethl. Servis 1970 A Facile Synthesis of Methanesulphonate Esters *J. Org. Chem.*, **36**, No. 9, 3195

Roth ; (1945); Production of organic sulphonyl hydrazides; *J.Am.Chem.Soc.*; **67**;128.

Rufer, C., and Losert, W.; (1979) ; Blood glucose lowering sulphonamides with asymmetric carbon atoms. 3. Related N-substituted carbamoyl benzoic acids; *J. Med. Chem.* **22**, 750–752.

Ronalkd . Rossland', and kenethl. Servis ; (1970) A Facile Synthesis of Methanesulphonate Esters *J. Org. Chem.*, **36**, No. 9, 3195

Schmid Antomarchi, H., De Weille, J., Fosset, M., and Lazdunski, M.; (1987); The receptor for antidiabetic sulphonylureas controls the activity of the ATP-modulated K- channel in insulin-secreting cells; *J. Biol. Chem.*; 262, 15840–15844.

Schmid Antomarchi, H., de Weille, J., Fosset, M., and Lazdunski, M.; (1987) ;The antidiabetic sulphonylurea glibenclamide is a potent blocker of the ATP-modulated K- channel in insulin secreting cells; *J. Biochem. Biophys. Res. Commu.*; **146**, 21–25.

Schultz, R. M. , R. L. Merriman, J. E. Toth, J. E. Zimmermann, L. W. Hertel, S. L. Andis, D. E. Dudley, P. G. Rutherford, L. R. Tanzer, and G. B. Grindey,1993; *Oncol. Res.* **5** , 223–228.

Shirk , MB. Donahue, KR. Shirvani, J.;(2006);Unlabeled Uses of Nebulized Medications; *American Journal of Health - System Pharmacists*; **63**:1704-16.

Schrimsher ,RH. Kendrach, MG.:(2006); *A Primer: Basic Pub. Med Searching for Pharmacists*. Hospital Pharmacy; 41(9): 855-867.

Sliskovic, D. R. , Krause B. R., and Bocan T. M. A., Ann., (1999) Reports *J. Of Med. Chem.* **34**, 101–110.

Smith, M.Cedric and Reynard, M.Alan;(1992);Carbohydrate Metabolism:Oral Hypoglycaemic Agents; Text book of pharmacology; W. B.Saunders company, London, Sydney;762-763. .

Sinha, S.C; Barbas, C.F and Lerner, R.A; (1998); The antibody catalysis route to the total synthesis of epothilones; *J.proc. Natlacad. Sti*; 94:140-3-14608.

Smith, M.B;(2002) ;Retrosynthesis ; stereochemistry, and conformations; Organic synthesis; Ridge, B.B; Dubuge, IL; Madison, W.I; Newyork; second edition; 1-3.

Vishnoi, N.K;(1996) ; Simple preparation; Advanced Practical Organic Chemistry; Vikas publishing house PVT LTD, second edition; 369-385.

Walkom E. ;Robertson J.; Newby D. ;Pillay T.:(2006); The Role of Pharmacoeconomics in Formulary Decision-Making. *Formulary* 41 (8) : 374-386.

Wilden Jonathan D., Lynsey Geldeard, Chieh C. Lee, Duncan B. Judd and Stephen Caddick;(2007); Esters: A selective alternative to pentafluorophenol (PFP) esters and sulphonyl Trichlorophenol (TCP) sulphonate chlorides for the preparation of sulphonamides; *Chem. Commun.*, 1074 – 1076.

Zeuner A.,and Jung ,D ;(2004), N-aryl sulphonyl-N- (pyrimidyl4-yl)ureas-synthesis and reaction with di methylsulphoxide. *J. Of Furparaktische cheme* ;**27**,1304.