

Basic Information :

Name : Hussein El Subbagh
Title : Professor of Pharmaceutical chemistry



Professor Hussein I. El-Subbagh, professor of Pharmaceutical Chemistry - Department of Pharmaceutical Chemistry. He received his B.S. (excellent, high honor) and M.S. degrees from Mansoura University, Mansoura, Egypt. He received Ph.D. degrees from the University of Rhode Island, Kingston, RI, USA and Mansoura University.

Education :

Certificate	Major	University	Year
PhD	Medicinal Chemistry	Mansoura University	1988

Teaching Experience :

Name Of Organization	Position	From Date	To Date
المانيا	جامعة بون	01/01/1996	01/01/1997
الرياض- المملكة العربية السعودية	جامعة الملك سعود	01/01/1994	01/01/2011
امريكا	جامعة رود أيلاند	01/01/1989	01/01/1991
مصر	جامعة المنصورة	01/01/1979	01/01/2007

Research :

6,7-Dihydro-[1,3,4]thiadiazolo-[3,2-a][1,3]diazepin derivatives and pharmaceutical compositions containing the same as hypnotic or anesthetic agent and method for their preparation. Ghada S. Hassan, Hussein I. El-Subbagh, Mohamed A. Al-Omar, Kamal E. H. El-Taheer, Khalid A. Al-Rashood, Abdulrahman M. Al-Obaid, Adel S. Al-Azab, Alaa A.-M. Abdelaziz, Mohamed M. Hefnawy. European Patent No. 11161596.9, April 28, 2011.

6,7-dihydro-[1,3,4]thiadiazolo-[3,2-a][1,3]diazepin derivative and pharmaceutical composition containing the same as neuromuscular blocker or skeletal muscle relaxant, and method for the preparation. Adel S. Al-Azab, Hussein I. El-Subbagh, Khalid A. Al-Rashood, Kamal E. H. El-Taheer, Mohamed A. Al-Omar, Ghada S. Hassan, Fatmah A. Al-Omary, Alaa A.-M. Abdelaziz, Mohamed A. Hefnawy. European Patent No. 11161597.7, April 28, 2011

Thiazolo[3,2-a][1,3]diazepine derivatives and pharmaceutical compositions containing the same as novel anticonvulsant agents and method for their preparation. Sara T. A. Al-Rashood, Hussein I. El-Subbagh, Ghada S. Hassan, Kamal E. H. El-Taheer, Mohamed A. Al-Omar. European Patent No. EP 11188961.4, November 14, 2011.

2-Acylamino-thiazole Analogues: A New Class of Ovulation Induction Agents. Ahmed M. Badawy, Hussein I. El-Subbagh, Hassan A. El-Kashef. Submitted, PCT Office, Future University.

23. Thiazolodiazepines: New ultra-short Acting Hypnotics, J. Lehmann, H.I. El-Subbagh, H.A. El-Kashef; German Patent, DE 103 20 732 A1, Dec. 9, 2004.

49. Practical, Cost-Efficient Chiral Synthesis of Dihydro-sphingo-sines. R.P. Panzica, H.I. El-Subbagh and E. Abushanab; U.S. Patent, Dec. 24, 1996-5, 587, 494.

Reviews, Books, Book Chapters and Translations

1-(5-Bromo-4-phenyl-1,3-thiazol-2-yl)- pyrrolidin-2-one

Synthesis, anticonvulsant activity and molecular modeling study of some new hydrazinecarbothioamide, benzenesulfonylhydrazide, and phenacylacetylhydrazide analogues of 4(3H)-quinazolinone

Quinazolinone analogues for use as anticonvulsant agents.

DNA binding of ethyl 2-substituted aminothiazole-4-carboxylate analogues: A molecular modeling approach to predict their antitumor activity

N-[4-(4-Bromophenyl)thiazol-2-yl]- 4-(piperidin-1-yl)butanamide

Substituted thiazoles VI. Synthesis and antitumor activity of new 2-acetamido- and 2 or 3-propanamido-thiazole analogs

6,7-DIHYDRO-[1,3,4]THIADIAZOLO- [3,2-A][1,3]DIAZEPIN DERIVATIVES AND PHARMACEUTICAL COMPOSITIONS CONTAINING THE SAME AS HYPNOTIC OR ANESTHETIC AGENT AND METHOD FOR THEIR PREPARATION

6,7-DIHYDRO-[1,3,4]THIADIAZOLO-3,2-A][1,3]DIAZEPIN DERIVATIVE AND PHARMACEUTICAL COMPOSITION CONTAINING THE SAME AS NEUROMUSCULAR BLOCKER OR SKELETAL MUSCLE RELAXANT, AND METHOD FOR THE PREPARATION

6,7-Dihydro-[1,3,4]thiadiazolo-[3,2- α][1,3]diazepin derivatives and pharmaceutical compositions containing the same as hypnotic or as anesthetic agent and method for their preparation.

6,7-dihydro-[1,3,4]thiadiazolo-[3,2- α][1,3]diazepin derivative and pharmaceutical composition containing the same as neuromuscular blocker or skeletal muscle relaxant, and method for the preparation.

1. Design, synthesis, single-crystal and preliminary antitumor activity of novel arene-sulfonyl-imidazolidin-2-ones. Alaa A.-M. Abdel-Aziz, Adel S. El-Azab, Hussein I. El-Subbagh, Abdulrahman M. Al-Obaid, Amer M. Alanazi, Mohamed A. Al-Omar. *Bioorg. & Med. Chem. Lett.*, 2012, 22, 2008-2014.

2. Novel 1,3,4-Heterodiazole Analogues: Synthesis and in-vitro Antitumor Activity. Azza T. Taher, Hanan H. Georgey, and Hussein I. El-Subbagh. *Eur. J. Med. Chem.*, 2012, 47, 445-451.

3. Substituted Thiazoles V. Synthesis and Antitumor Activity of Novel Thiazolo[2,3-b] quinazoline and Pyrido[4,3-d]thiazolo[3,2-a]pyrimidine Analogues. F.A.M. Al-Omary, G.S. Hassan, S.M. El-Messery, H.I. El-Subbagh. *Eur. J. Med. Chem.*, 2012, 47, 65-72.

4. Chiral Indolo[3,2-f][3]benzazecine-Type Dopamine Receptor Antagonists: Synthesis and Activity of Racemic and Enantiopure Derivatives. Dina Robaa, Christoph Enzensperger, Shams ElDin AbulAzam, Mohamed M. Hefnawy Hussein I. El-Subbagh, Tanveer A. Wani, Jochen Lehmann, *J. Med. Chem.*, 2011, 54, 7422–7426.

5. Synthesis and Anticonvulsant Activity of Some New Thiazolo[3,2-a][1,3]diazepine, Benzo[d]thiazolo[5,2-a][12,6]diazepine and Benzo[d]oxazolo[5,2-a][12,6]diazepine Analogues. H.I. El-Subbagh, G.S. Hassan, A.S. El-Azab, A.A.-M. Abdel-Aziz, A.A. Kadi, A.M. Al-Obaid, O.A. Al Shabanah, M.M. Sayed-Ahmed. *Eur. J. Med. Chem.*, 2011, 46, 5567-5572.

6. Synthesis and Biological Evaluation of Some Novel Cyclic-imides as Hypoglycaemic, Anti-hyperlipidemic agents. A.A.-M. Abdel-Aziz, A.S. El-Azab, S.M. Attia, A.M. Al-Obaid, M.A. Al-Omar, H.I. El-Subbagh. *Eur. J. Med. Chem.*, 2011, 46, 4324-4329.

7. Synthesis, Antiplatelet Aggregation Activity, and Molecular Modeling Study of Novel Substituted-Piperazine Analogues. K.M. Youssef, M.A. Al-Omar, H.I. El-Subbagh, L.A. Abou-zeid, A.M. Abdel-Gader, N.G. Haress, A.S. Al Tuwaijri. *Med. Chem. Res.*, 2011, 20, 898-911.

8. Liquid chromatographic high-throughput analysis of the new ultra-short acting hypnotic 'HIE-124' and its metabolite in mice serum using a monolithic silica column. A. Kadi, M. Hefnawy, A. Al-Majed, S. Alonezi, Y. Asiri, S. Attia, E. Abourashed, H. El-Subbagh. *Analyst*, 2011, 136, 591–597.

9. Novel, Selective Sample Stacking Microemulsion Electrokinetic Capillary Chromatography Induced by Reverse Migrating Pseudostationary Phase for The Determination of The New Ultra-Short Acting Hypnotic "HIE-124" in Mice Serum. M. Hefnawy, M. Al-Omar, S. Julkhuf, S. Attia, E. Abourashed, H. El-Subbagh. *Analytica Chimica Acta*, 2010, 673, 194–199.

1. Nonclassical Antifolates, Part 2. Synthesis, Biological Evaluation and Molecular Modeling Study of Some New 2,6-Substituted-quinazolin-4-ones. F.A.M. Al-Omary, L.A. Abou-zeid, M.N. Nagi, E.E. Habib, A.A.-M. Abdel-Aziz, A.S. El-Azab, S.G. Abdel-Hamide, M.A. Al-Omar, A.M. Al-Obaid, H.I. El-Subbagh. *Bioorg. & Med. Chem.*, 2010, 18, 2849–2863.

11. Synthesis and Biological Evaluation of Some Polymethoxylated Fused Pyridine Ring Systems as Antitumor Agents. S.A.F. Rostom, G.S. Hassan, and H.I. El-Subbagh. *Arch. Pharm. Chem. Life Sci.*, 2009, 342, 584-90.

12. HPTLC analysis of a new ultra-short-acting thiazolodiazepine hypnotic (HIE-124) in spiked human plasma. E.A. Abourashed, M.M. Hefnawy and H.I. El-Subbagh. *J. Planar Chromatog. (JPC)*, 2009, 22, 183-186.

13. Substituted Quinazolines, Part 3. Synthesis, In-Vitro Antitumor Activity and Molecular Modeling study of Certain 2-Thieno-4(3H)-quinazolinone Analogs. A.M. Al-Obaid, S.G. Abdel-Hamide, H.A. El-Kashef, A.A. M. Abdel-Aziz, H.A. Al-Khamees, and H.I. El-Subbagh. *Eur. J. Med. Chem.*, 2009, 44, 2379-2391.

14. Oral colon targeted delivery systems for treatment of inflammatory bowel diseases: Synthesis, in vitro and in vivo assessment. A.H. El-Kamel, A.A.-M. Abdel-Aziz, A.J. Fatani, H.I. El-Subbagh. *Internat. J. Pharmac.*, 2008, 358, 248–255.

15. Synthesis, Ultra-short Acting Hypnotic Activity, and Metabolic Profile of Ethyl 8-oxo-5,6,7,8-tetrahydro-thiazolo[3,2-a][1,3]diazepin-3-carboxylate (HIE-124). A.A. Kadi, H.A. El-Kashef, A.A.-M. Abdel-Aziz, G. S. Hassan, J. Tettey, H.M. Grant, J. Lehmann, H.I. El-Subbagh. *Arch. Pharm. Chem. Life Sci.*, 2008, 341, 81-89.

16. New Ultra-short Acting Hypnotic: Synthesis, Biological Evaluation, and Metabolic Profile of Ethyl 8-oxo-5,6,7,8-tetrahydro-thiazolo[3,2-a][1,3]diazepin-3-carboxylate (HIE-124). H. I. El-Subbagh, H. A. El-Kashef, A. A. Kadi, A.A.-M. Abdel-Aziz, G.S. Hassan, J. Tettey, J. Lehmann., *Bioorg. & Med. Chem. Lett.*, 2008, 18, 72-77.

17. Synthesis, Dihydrofolate Reductase Inhibition, and Molecular Modeling Study of Some New 4(3H)-Quinazolinone Analogues. S.T. Al-Rashood, I.A. Aboldahab, L.A. Abouzeid, A.A-M. Abdel-Aziz, M.N. Nagi, S.G. Abdul-hamide, K.M. Youssef, A.M. Al-Obaid, H.I. El-Subbagh, *Bioorg. & Med. Chem.*, 2006, 14, 8608-8621.
18. Dopamine/Serotonin Receptor Ligands, 10: SAR Studies on Azecine Type Dopamine receptor Ligands by Functional Screening at Human Cloned D1, D2L and D5 Receptors with a Microplate Reader Based Calcium Assay Lead to a Novel Potent D1/D5 Selective Antagonist. B. Hoefgen, M. Decker, P. Mohr, A.M. Schramm, S.A.F. Rostom, H.I. El-Subbagh, P.M. Schweikert, D.R. Rudolf, M.U. Kassack, J. Lehmann, *J. Med. Chem.*, 2006, 49,760-769.
19. Synthesis and Investigation of Novel Shelf-Stable, Brain-Specific Chemical Delivery System. A.M. Al-Obaid, H.A. Farag, A.A. Khalil, O.A. Al Shabanah, S.G. Abdel Hamide, H.A. El Kashef, H.S. Ahmed, A.M. Al-Affifi, R.A. Gadkariem, H.I. El-Subbagh, *Saudi Pharm. J.*, 2006, 14, 1-15.
20. Lewis Acid-Promoted Transformation of 2-Alkoxyppyridines into 2-Aminopyridines and Their Antibacterial Activity. Part 2: Remarkably Facile C-N Bond Formation. A.A. Abdel-Aziz, H.I. El-Subbagh, T. Kunieda, *Bioorg. & Med. Chem.*, 2005, 13, 4929-4935.

Complete List of Publications

S-Phenyl 4-methoxybenzothioate. Adel S. El-Azab, Alaa A.-M. Abdel-Aziz, Hussein I. El-Subbagh, Suchada Chantrapomma and Hoong-Kun Fun. *Acta Cryst.* 2012, E68, o1074-o1075.

Substituted Thiazoles V1. Synthesis And Antitumor Activity Of New 2- Acetamido and 2 or 3 – Propanamido – Thiazole Analogs

Non Classical Antifolates, Part 5. Benzodiazepine Analogs as a New Class of DHFR Inhibitors: Synthesis, Antitumor Testing and Molecular Modeling Study

Substituted Thiazoles V11. Synthesis And Antitumor Activity Of Certain 2-(Substituted Amino)-4-Phenyl-1.3-Thiazole Analogs

Non Classical Antifolates, Part 3: Synthesis, Biological Evaluation and Molecular Modeling Study of Some New 2-Heteroarylthio-Quinazolin-4-Ones

Novel 4 (3H)-Quinazolinone Analogs: Synthesis And Anti Convulsant Activity

3-Benzyl-6-Methyl-2-Sulfanylidene-2, 3-Dihydroquinazolin-4(1H)-One

Application Of Spectrophotometric And Chromatographic Methods for Stability Indicating Determination of Leflunomide Non Classical Antifolates, Part 4.5-(2-Aminothiazol-4-yl)-4-phenyl-4H-1,2,4-Triazole-3-Thiols As A New Class Of DHFR Inhibitors: Synthesis, Biological Evaluation and Molecular Modeling Study

Conference :

Synthesis, Biological Evaluation, and X-Ray Crystallography of Novel Arylsulfonyl

Application of Three Chromatographic Techniques in the Bioanalysis of a New

Synthesis, Dihydrofolate Reductase Inhibition, Antimicrobial Testing, Antitumor

Awards :

Award	Donor	Date
"Dr. Waleed Kayali Prize for Scientific Research"	Saudi Pharmaceutical Society, Riyadh, Saudi Arabia,	01/01/2008
"State Prize for Encouragement of Scientific Research"	Academy of Scientific Research and Technology, Cairo, Egypt	01/01/1997
Alexander von Humboldt Scholarship	Germany	01/01/1996
Shoman Award for the Young Arab Scientists	Amman, Jordan	01/01/1994