

CURRICULUM VITAE

CURRICULUM VITAE

Name: Alaa Abdel-Moenes Abdel-Aziz PhD

Date of Birth : 20-12-1964

Marital Status: Married

Nationality : Egyptian

- **Current address**

Phone: 00966-53-5991127 (SA)

00966-56-2947305 (SA)

Dr. Alaa Abdel-Moenes Abdel-Aziz
Professor
King Saud University
College of Pharmacy
Dept. of Pharmaceutical Chemistry
P.O. Box 2457
Riyadh 11451
Saudi Arabia

E-mail: alaa_moenes@yahoo.com
almoenes@ksu.edu.sa

Home page:
<http://faculty.ksu.edu.sa/almoenes/default.aspx>

- **Position**

Professor of Pharmaceutical Chemistry, College of Pharmacy, King Saud University, Saudi Arabia

- **Education (higher degree)**

1997-2002 Studied for Ph.D., Graduate School of
Pharmaceutical Sciences, Kumamoto University, Kumamoto,
Japan.

1990-1995 Studied for Master's degree, Faculty of Pharmacy, Mansoura
University, Egypt.

1983 -1988 Studied for Pharmaceutical Sciences, Faculty of Pharmacy,
Mansoura University, Egypt.

- **Awards**

2008 “State Prize for Encouragement of Scientific Research” in Medical Sciences, the Academy of Scientific Research and Technology, Cairo, Egypt.

<http://www.asrt.sci.eg/en/>

2008 Acdima award for the best research work all over the Arabian country presented from the Arab Company for Drug Industries & Medical Appliances (ACDIMA), Amman, Hashemite Kingdom of Jordan

<http://www.acdima.com/winners.htm>

1997-2002 Scholarship to get Ph.D. from Japan fully supported by the Egyptian Government (Ministry of Education) for 5 years.

- **SUPERVISION OF DISSERTATIONS:**

1. Synthesis and antitumor evaluation of novel cyclic arylsulfonylureas: ADME-T and pharmacophore prediction

Ibrahim M. El-Deeb, Said M. Bayoumi, Magda A. El-Sherbeny, **Alaa A.-M. Abdel-Aziz**, 2006.

- **Scopus home page:**

<http://www.scopus.com/authid/detail.uri?authorId=8605268800>

- **Google scholar**

<https://scholar.google.com/eg/citations?user=V0tMoXQAAAAJ&hl=en&safe=on>

- **Research gate**

https://www.researchgate.net/profile/Alaa_Abdel-Aziz

- **Publications**

A. List of published papers (Medicinal and Organic Chemistry)

❖ **2016 Publications:**

1. Inhibition of carbonic anhydrase isoforms I, II, IV, VII and XII with carboxylates and sulfonamides incorporating phthalimidephthalic anhydride scaffolds, Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Rezk R. Ayyad, Mariangela Ceruso, Claudiu T. Supuran, *Bioorganic & Medicinal Chemistry* 24 (2016) 20–25.
2. Synthesis and antitumor evaluation of trimethoxyanilides based on 4(3H)-quinazolinone scaffolds, Menshawy A. Mohamed, Rezk R. Ayyad, Taghreed Z. Shower, **Alaa A.-M. Abdel-Aziz**, Adel S. El-Azab, *European Journal of Medicinal Chemistry* 112 (2016) 106-113. [DOI: 10.1016/j.ejmech.2014.04.029](https://doi.org/10.1016/j.ejmech.2014.04.029)
3. Synthesis, Antitumor Activity and Molecular Docking Study of Some Novel 3-Benzyl-4(3H)Quinazolinone analogues, Adel El-Azab, Ibrahim Al-Suwaidan, Amer Alanazi, **Alaa A.-M. Abdel-Aziz**, Taghreed shawer & Rezk Ayyad, *J Enzyme Inhib Med Chem*, 31 (2016) 78-89. [DOI:10.3109/14756366.2015.1004059](https://doi.org/10.3109/14756366.2015.1004059)
4. DFT and experimental (FT-IR and FT-Raman) investigation of vibrational spectroscopy and molecular docking studies of 2-(4-oxo-3-phenethyl-3,4-dihydroquinazolin-2-ylthio)-N-(3,4,5-trimethoxyphenyl) acetamide, Adel S. El-Azab, Y.Sheena Mary, C. Yohannan Panicker, **Alaa A.-M. Abdel-Aziz**, Magda A. El-Sherbeny, C. Van Alsenoy, *Journal of Molecular Structure* xxx (2016) 1-

13. *Journal of Molecular Structure* 1113 (2016) 133-145.

doi.org/10.1016/j.molstruc.2016.02.038

5. FT-IR, FT-Raman and molecular docking study of ethyl 4-(2-(4-oxo-3-phenethyl-3,4-dihydroquinazolin-2-ylthio)acetamido)benzoate, Adel S. El-Azab, Y. Sheena Mary, Yohannan Panicker, **Alaa A.-M. Abdel-Aziz**, Ibrahim A. Al-Suwaidan, Van Alsenoy, *Journal of Molecular Structure* 1111 (2016) 9-18.

❖ **2015 Publications:**

6. Synthesis and potential antitumor activity of 7-(4-substituted piperazin-1-yl)-4-oxoquinolines based on ciprofloxacin and norfloxacin scaffolds: In silico studies **Alaa A.-M. Abdel-Aziz**, Adel S. El-Azab, Amer M. Alanazi, Yousif A. Asiri, Ibrahim A. Al-Suwaidan, Azza R. Maarouf, Abdulrahman M. Al-Obaid, Rezk R. Ayyad, Taghreed Z. Shower, *J Enzyme Inhib Med Chem, In-Press.* [DOI: 10.3109/14756366.2015.1069288](https://doi.org/10.3109/14756366.2015.1069288)
7. Synthesis, antitumor and antimicrobial activity of some new 6-methyl-3-phenyl-4(3H)-quinazolinone analogues: In silico studies, Amer M. Alanazi, **Alaa A.-M. Abdel-Aziz**, Taghreed Z. Shower, Rezk R. Ayyad, Abdulrahman M. Al-Obaid, Mohamed H.M. Al-Agamy, Azza R. Maarouf, Adel S. El-Azab, *J Enzyme Inhib Med Chem, In-Press.* [DOI: 10.3109/14756366.2015.1060482](https://doi.org/10.3109/14756366.2015.1060482)
8. Antitumor evaluation and molecular docking study of substituted 2-benzylidenebutane-1,3-dione, 2-hydrazonebutane-1,3-dione and trifluoromethyl-1H-pyrazole analogues, Ibrahim A. Al-Suwaidan, Naglaa I. Abdel-Aziz, Adel S. El-Azab, Magda A.-A. El-Sayed, Amer M. Alanazi,

Mahmoud B. El-Ashmawy, **Alaa A.-M. Abdel-Aziz**, *J Enzyme Inhib Med Chem*, 2015; 30(4): 679–687 [doi:10.3109/14756366.2014.960863](https://doi.org/10.3109/14756366.2014.960863)

9. Structure-based design of phthalimide derivatives as potential cyclooxygenase-2 (COX-2) inhibitors: Anti-inflammatory and analgesic activities, Amer M. Alanazi, Adel S. El-Azab, b, Ibrahim A. Al-Suwaidan, Kamal Eldin H. ElTahir, Yousif A. Asiri, Naglaa I. Abdel-Aziz, **Alaa A.-M. Abdel-Aziz**, *European Journal of Medicinal Chemistry* 92 (2015) 115-123.

10. Investigation of arenesulfonyl-2-imidazolidinones as potent carbonic anhydrase inhibitors; **Alaa A.-M. Abdel-Aziz**, Adel S. El-Azab, Deniz Ekincid, Murat Şentürke, Claudiu T. Supuranf, *J Enzyme Inhib Med Chem*, 30, 1 (2015) 81-84.

❖ **2014 Publications:**

11. Carbonic anhydrase inhibitory activity of sulfonamides and carboxylic acids incorporating cyclic imide scaffolds; **Alaa A.-M. Abdel-Aziz**, Adel S. El-Azab, Mariangela Ceruso, Claudiu T. Supuran, *Bioorg & Med.Chem.Lett.* 24(24), 2014, 5185–5189.

12. Design, synthesis and biological evaluation of some novel substituted quinazolines as antitumor agents; Amer M. Alanazi, **Alaa A.-M. Abdel-Aziz**, Ibrahim A. Al-Suwaidan, Sami G. Abdel-Hamide, Taghreed Z. Shower , Adel S. El-Azab, *European Journal of Medicinal Chemistry* 79 (2014) 446-454.

13. Synthesis and Conformational Analysis of Sterically Congested (4R)-(-)-1-(2,4,6-Trimethylbenzenesulfonyl)-3-n-butyryl-4-tertbutyl-2-imidazolidinone: X-Ray Crystallography and Semiempirical Calculations; Ibrahim A. Al-Swaidan, Adel S. El-Azab, Amer M. Alanazi, and **Alaa A.-M. Abdel-Aziz**, *Journal of Chemistry*, 2014, 1-15, <http://dx.doi.org/10.1155/2014/173902>.

❖ **2013 -1996 Publications:**

- 14.** Design, synthesis and biological evaluation of 2-mercapto-3-phenethylquinazoline bearing anilide fragments as potential antitumor agents: Molecular docking study
Ibrahim A. Al-Suwaidan, Amer M. Alanazi, **Alaa A.-M. Abdel-Aziz**, Menshawy A. Mohamed, Adel S. El-Azab, *Bioorg & Med.Chem.Lett.* **2013**, *23*, 3935.
- 15.** Molecular design, synthesis and biological evaluation of cyclic imides bearing benzenesulfonamide fragment as potential COX-2 inhibitors
Ibrahim A. Al-Suwaidan, Amer M. Alanazi, Adel S. El-Azab, Alaa A.-M. Abdel-Aziz, *Bioorg. & Med.Chem.Lett.* **2013**, *23*, 2601.
- 16.** Synthesis, single-crystal, in vitro antitumor evaluation and molecular docking of 3-substitued 5,5-diphenylimidazolidine-2,4-dione derivatives
Amer M. Alanazi, Ibrahim A. Al-Suwaidan, Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, *Med. Chem Res.* **2013**, *22*, 6129.
- 17.** Design, synthesis and biological evaluation of some novel substituted 2-mercapto-3-phenethylquinazoline as antitumor agents
Amer M. Alanazi, Ibrahim A. Al-Suwaidan, **Alaa A.-M. Abdel-Aziz**, Menshawy A. Mohamed, Adel S. El-Azab, *Med. Chem Res.* **2013**, *22*, 5566.
- 18.** Synthesis, molecular modeling study, preliminary antibacterial, and antitumor evaluation of N-substituted naphthalimides and their structural analogues
Adel S. El-Azab, Amer M. Alanazi, Naglaa I. Abdel-Aziz, Ibrahim A. Al-Suwaidan, Magda A. A. El-Sayed, Magda A. ElSherbeny, **Alaa A.-M. Abdel-Aziz**, *Med. Chem.Res.* **2013**, *22*, 2360.

19. An efficient synthesis of thioesters via TFA-catalyzed reaction of carboxylic acid and thiols: Remarkably facile C-S bond formation

Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, *Phosphorus, Sulfur, and Silicon and the Related Elements* **2012**, 187, 1046.

20. Synthesis, biological evaluation and molecular modeling study of pyrazole and pyrazoline derivatives as selective COX-2 inhibitors and anti-inflammatory agents. Part 2

Magda A.-A. El-Sayed, Naglaa I. Abdel-Aziz, **Alaa A.-M. Abdel-Aziz**, Adel S. El-Azab, Kamal E.H. ElTahir, *Bioorg Med. Chem.* **2012**, 20, 3306.

21. Design, synthesis, single-crystal and preliminary antitumor activity of novel arenesulfonylimidazolidin-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.

22. Design, synthesis and antibacterial activity of fluoroquinolones containing bulky arenesulfonyl fragment: 2D-QSAR and docking study

Alaa A.-M. Abdel-Aziz, Yousif A. Asiri, Mohamed H.M. Al-Agamy, *Eur. J. Med. Chem.* 2011, 46, 5487.

23. 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

Hussein I. El-Subbagh, Ghada S. Hassan, Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Adnan A. Kadi, Abdulrahman M. Al-Obaid, Othman A. Al-Shabanah, Mohamed M. Sayed-Ahmed, *Eur. J. Med. Chem.* 2011, 46, 5567.

24. Synthesis and biological evaluation of some novel cyclic-imides as hypoglycaemic, anti-hyperlipidemic agents

Alaa A.-M. Abdel-Aziz, Adel S. El-Azab, Sabry M. Attia, Abdulrahman M. Al-Obaid, Mohamed A. Al-Omar, Hussein I. El-Subbagh, *Eur. J. Med. Chem.* 2011, 46, 4324.

25. Design, synthesis, and biological evaluation of substituted hydrazone and pyrazole derivatives as selective COX-2 inhibitors: Molecular docking study

Magda A.-A. El-Sayed, Naglaa I. Abdel-Aziz, **Alaa A.-M. Abdel-Aziz**, Adel S. El-Azab, Yousif A. Asiri, Kamal E.H. ElTahir, *Bioorg Med. Chem.* 2011, 19, 3416.

26. Synthesis, anti-inflammatory activity and COX-1/COX-2 inhibition of novel substituted cyclic imides. Part 1: Molecular docking study

Alaa A.-M. Abdel-Aziz, Kamal E.H. ElTahir, Yousif A. Asiri, *Eur. J. Med. Chem.* 2011, 46, 1648.

27. Design, synthesis and biological evaluation of novel quinazoline derivatives as potential antitumor agents: Molecular docking study

Adel S. El-Azab, Mohamed A. Al-Omar, **Alaa A.-M. Abdel-Aziz**, Naglaa I. Abdel-Aziz, Magda A.-A. El-Sayed, Abdulaziz M. Aleisa, Mohamed M. Sayed-Ahmed, Sami G. Abdel-Hamide, *Eur. J. Med. Chem.* 2010, 45, 4188.

28. Synthesis and antitumor evaluation of novel cyclic arylsulfonylureas: ADME-T and pharmacophore prediction

Ibrahim M. El-Deeb, Said M. Bayoumi, Magda A. El-Sherbeny, **Alaa A.-M. Abdel-Aziz**, *Eur. J. Med. Chem.* 2010, 45, 2516.

29. Synthesis and pharmacological evaluation of novel fused thiophene derivatives as 5-HT_{2A} receptor antagonists: Molecular modeling study

Mohamed M. El-Kerdawy, Eman R. El-Bendary, **Alaa A.-M. Abdel-Aziz**,
Dalia R. El-wasseef, Naglaa I. Abd El-Aziz, *Eur. J. Med. Chem.* 2010, 45,
1805.

- 30.** Conformational preferences of sterically congested 2-imidazolidinone using X-ray analysis and computational studies. Part 1: Trans-1-acetyl-4,5-di-tert-butyl-2-imidazolidinone

Alaa A.-M. Abdel-Aziz, Mohamed A. Al-Omar, Adel S. El-Azab, Takehisa Kunieda, *J. Mol. Struct.* 2010, 969, 145.

- 31.** Non-classical antifolates. Part 2: Synthesis, biological evaluation, and molecular modeling study of some new 2,6-substituted-quinazolin-4-ones

Fatmah A.M. Al-Omary, Laila A. Abou-zeid, Mahmoud N. Nagi, El-Sayed E. Habib, **Alaa A.-M. Abdel-Aziz**, Adel S. El-Azab, Sami G. Abdel-Hamide, Mohamed A. Al-Omar, Abdulrahman M. Al-Obaid, Hussein I. El-Subbagh, *Bioorg. Med. Chem.* 2010, 18, 2849.

- 32.** Synthesis and anti-inflammatory activity of novel (substituted)benzylidene acetone oxime ether derivatives: Molecular modeling study

Mohammed I. El-Gamal, Said M. Bayomi, Saadia M. El-Ashry, Shehta A. Said, **Alaa A.-M. Abdel-Aziz**, Naglaa I. Abdel-Aziz, *Eur. J. Med. Chem.* 2010, 45, 1403.

- 33.** Synthesis and antitumor evaluation of novel diarylsulfonylurea derivatives: Molecular modeling applications

Magda A. El-Sherbeny, **Alaa A.-M. Abdel-Aziz**, Musa A. Ahmed, *Eur. J. Med. Chem.* 2010, 45, 689.

- 34.** Substituted quinazolines, part 3. Synthesis, in vitro antitumor activity and molecular modeling study of certain 2-thieno-4(3H)-quinazolinone analogs

Abdulrahman M. Al-Obaid, Sami G. Abdel-Hamide, Hassan A. El-Kashef, **Alaa A.-M. Abdel-Aziz**, Adel S. El-Azab, Hamad A. Al-Khamees, Hussein I. El-Subbagh, *Eur. J. Med. Chem.* 2009, 44, 2379.

35. Oral colon targeted delivery systems for treatment of inflammatory bowel diseases: Synthesis, in vitro and in vivo assessment

Amal H. El-Kamel, **Alaa A.-M. Abdel-Aziz**, Amal J. Fatani, Hussein I. El-Subbagh, *International Journal of Pharmaceutics* 2008, 358, 248.

36. 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)

Hussein I. El-Subbagh, Hassan A. El-Kashef, Adnan A. Kadi, **Alaa A.-M. Abdel-Aziz**, Ghada S. Hassan, Justice Tettey and Jochen Lehmann, *Bioorg. Med. Chem. Lett.* 2008, 18, 72.

37. 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)

Adnan A. Kadi, Hassan A. El-Kashef, **Alaa A.-M. Abdel-Aziz**, Ghada Hassan, Justice Tettey, Mary H. Grant, Jochen Lehmann and Hussein I. El-Subbagh, *Arch. Pharm. Chem. Life Sci.* 2008, 341, 81.

38. Novel and versatile methodology for synthesis of cyclic imides and evaluation of their cytotoxic, DNA binding, apoptotic inducing activities and molecular modeling study

Alaa A.-M. Abdel-Aziz, *Eur. J. Med. Chem.* 2007, 42, 612.

39. Lewis acid-promoted direct substitution of 2-methoxy-3-cyanopyridines by organo cuprates. Part 3: Facile preparation of nicotinamide and nicotinic acid derivatives

Alaa A.-M. Abdel-Aziz, *Tetrahedron Lett.* 2007, 48, 2861.

40. Solvatochromism, DNA binding, antitumor activity and molecular modeling study of mixed-ligand copper(II) complexes containing the bulky ligand: Bis[N-(p-tolyl)imino]acenaphthene

Usama El-Ayaan, **Alaa A.-M. Abdel-Aziz** and Shar Al-Shihry, *Eur. J. Med. Chem.* 2007, 42, 1325.

41. Synthesis, dihydrofolate reductase inhibition, antitumor testing, and molecular modeling study of some new 4(3H)-quinazolinone analogs

Sarah T. Al-Rashood, Ihsan A. Aboldahab, Mahmoud N. Nagi, Laila A. Abouzeid, **Alaa A.M. Abdel-Aziz**, Sami G. Abdel-hamide, Khairia M. Youssef, Abdulrahman M. Al-Obaid and Hussein I. El-Subbagh, *Bioorg. Med. Chem.* 2006, 14, 8608.

42. Lewis acid-promoted transformation of 2-alkoxypyridines into 2-aminopyridines and their antibacterial activity. Part 2: Remarkably facile C-N bond formation

Alaa A.-M. Abdel-Aziz, Hussein I. El-Subbagh and Takehisa Kunieda, *Bioorg. Med. Chem.* 2005, 13, 4929.

43. Synthesis and biological evaluation of novel 6-nitro-5-substituted aminoquinolines as local anesthetic and anti-arrhythmic agents: Molecular modeling study

Fatma E. Goda, **Alaa A.-M. Abdel-Aziz** and Hamdy A. Ghoneim, *Bioorg. Med. Chem.* 2005, 13, 3175.

44. Synthesis, antimicrobial activity and molecular modeling of cobalt and nickel complexes containing the bulky ligand: Bis[N-(2,6-diisopropylphenyl) imino]acenaphthene

Usama El-Ayaan and **Alaa A.-M. Abdel-Aziz**, *Eur. J. Med. Chem.* 2005, 40, 1214.

45. Synthesis, antimicrobial activity and conformational analysis of novel substituted pyridines: BF₃-promoted reaction of hydrazine with 2-alkoxy pyridines

Fatma E. Goda, **Alaa A.-M. Abdel-Aziz** and Omer A. Attef, *Bioorg. Med. Chem.* 2004, 12, 1845.

46. Enantioselective synthesis of (1S,2S)-1,2-di-tert-butyl and (1R,2R)-1,2-di-(1-adamantyl)ethylenediamines

Alaa A.-M. Abdel-Aziz, Serry A. A. El Bialy, Fatma E. Goda and Takehisa Kunieda, *Tetrahedron Lett.* 2004, 45, 8073.

47. Unusual N-acylation of sterically congested trans-4,5-disubstituted 2-imidazolidinones: Remarkably facile C-C bond formation

Alaa A.-M. Abdel-Aziz, Hirofumi Matsunaga and Takehisa Kunieda, *Tetrahedron Lett.* 2001, 42, 6565.

48. Versatile chiral synthons for 1,2-diamines: (4S,5S)- and (4R,5R)-4,5-dimethoxy-2-imidazolidinones

Alaa A.-M. Abdel-Aziz and Takehisa Kunieda, *Tetrahedron Lett.* 2001, 42, 6353.

49. An unusual enhancement of chiral induction by chiral 2-imidazolidinone auxiliaries

Alaa A.-M. Abdel-Aziz, Junko Okuno, Shinsuke Tanaka, Tadao Ishizuka, Hirofumi Matsunaga and Takehisa Kunieda, *Tetrahedron Lett.* 2000, 41, 8533.

50. **Alaa A.-Moenes**, Fatma. E. Goda, Attef S. Tantawy, Samy M. Kheira, and Abdel-Kader M. Ismaiel, *Alex. J. Pharm Sci.* 1996, 10, 35.

51. **Alaa A.-Moenes**, Fatma E. Goda, Attef S. Tantawy, Samy M. Kheira, and Abdel-Kader M. Ismaiel, *Alex. J. Pharm Sci.*, 1996, 10, 47.

B. Patent

1. 6,7-dihydro-[1,3,4]thiadiazolo-[3,2-a][1,3]diazepin derivatives 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-Taher, Mohamed A. Al-Omar, Ghada S. Hassan, Fatmah A. Al-Omary, **Alaa A.-M. Abdelaziz**, Mohamed M. Hefnawy. EP 2514754 A1 published on [24-Oct-2012](#) & WO 2012/136385 A1, <http://ip.com/patfam/en/46968628>
2. 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-Taher, Khalid A. Al-Rashood, Abdulrahman M. Al-Obaid, Adel S. Al-Azab, **Alaa A.-M. Abdelaziz**, Mohamed M. Hefnawy. 2012, EP 2514753A1 & WO 2012/136356 A1, <http://ip.com/patfam/en/43984092>
3. 6,7-dihydro-[1,3,4]thiadiazolo-[3,2-a][1,3]diazepin derivatives 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-Taher, Mohamed A. Al-Omar, Ghada S. Hassan, Fatmah A. Al-Omary, **Alaa A.-M. Abdelaziz**, Mohamed M. Hefnawy. US 8,846,665 B2, <http://www.google.com/patents/US8846665>

4. 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-Taher, Khalid A. Al-Rashood, Abdulrahman M. Al-Obaid, Adel S. Al-Azab, **Alaa A.-M. Abdelaziz**, Mohamed M. Hefnawy. US 8,741,893 B2,

http://pharfac.mans.edu.eg/media/upload/logo_1673774061.pdf

C. Book and book chapter

1. Chiral 2-Imidazolidione Auxiliaries: Synthesis and application.

http://www.amazon.com/Chiral-2-imidazolidinone-auxiliaries-Alaa-Abdel-Aziz/dp/3639259599/ref=pd_rhf_p_t_1

<http://reposit.lib.kumamoto-u.ac.jp/handle/2298/452>

2. Tadalafil: Profiles of Drug Substances, Excipients and Related Methodology, Volume 36, 2011, Chapter Chapter 8, Pages 287-329.

Alaa A.-M. Abdel-Aziz, Yousif A. Asiri, Adel S. El-Azab, Mohamed A. Al-Omar, Takehisa Kunieda.

3. Flurbiprofen (Profiles of Drug Substances, Excipients and Related Methodology) 2012, *in p* Volume 37, 2012, Chapter Chapter 4, Pages 113-181.

Alaa A.-M. Abdel-Aziz, Abdullah A. Al-Badr, Gamal Abdel Hafez

4. Molecular Modeling and Synthesis of HBV Polymerase Inhibitors:: Nucleoside and Non Nucleosides

Adel S. El-Azab & **Alaa A.-M. Abdel-Aziz**

http://www.amazon.com/Molecular-Modeling-Synthesis-Polymerase-Inhibitors/dp/3846530492/ref=sr_1_1?ie=UTF8&qid=1335520695&sr=8-1

D. X-ray publications

1. 2-Methyl-3-(2-methylphenyl)-4-oxo-3,4-dihydroquinazolin-8-yl benzoate. Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Seik Weng Ng, and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o732–o733.
2. 2-Methyl-3-(2-methylphenyl)-4-oxo-3,4-dihydroquinazolin-8-yl-methylbenzoate. Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Seik Weng Ng, and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o734–o735.
3. 4-Oxo-2,4-diphenylbutanenitrile. Alaa A.-M. Abdel-Aziz, Adel S. El-Azab, Seik Weng Ng, and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o736.
4. 2-(4-Methoxyphenyl)-4-oxo-4-phenylbutanenitrile. **Alaa A.-M. Abdel-Aziz**, Adel S. El-Azab, Seik Weng Ng, and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o737.
5. 2-Methyl-3-(2-methylphenyl)-4-oxo-3,4-dihydroquinazolin-8-yl thiophene-2-carboxylate. Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Seik Weng Ng, and Edward R. T. Tiekink. Acta Cryst. Acta Cryst. (2012). **E68**, o756–o757.
6. 2-Methyl-3-(2-methylphenyl)-4-oxo-3,4-dihydroquinazolin-8-yl-4-bromobenzene-1-sulfonate. Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Seik Weng Ng, and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o759–o760.
7. 2,6-Bis[(S)-1-phenylethyl]-1H,5Hpyrrolo[3,4-f]isoindole-1,3,5,7(2H,6H)-tetrone. **Alaa A.-M. Abdel-Aziz**, Adel S. El-Azab, Seik Weng Ng, and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o907.
8. 1-Acetyl-4-(phenylsulfanyl)imidazolidin-2-one. **Alaa A.-M. Abdel-Aziz**, Adel S. El-Azab, Seik Weng Ng, and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o908.

9. 2-Methyl-3-(2-methylphenyl)-7-nitroquinazolin-4(3H)-one. Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Seik Weng Ng, and Edward R. T. Tiekink. *Acta Cryst.* (2012). **E68**, o863.
10. 8-Benzyloxy-2-methyl-3-(2-methylphenyl)quinazolin-4(3H)-one. Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Seik Weng Ng, and Edward R. T. Tiekink. *Acta Cryst.* (2012). **E68**, o864–o865.
11. 6-Methyl-3-phenyl-2-sulfanylidene-1,2,3,4-tetrahydroquinazolin-4-one. Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Seik Weng Ng, and Edward R. T. Tiekink. *Acta Cryst.* (2012). **E68**, o862.
12. 5-Isopropylimidazolidine-2,4-dione monohydrate. **Alaa A.-M. Abdel-Aziz**, Adel S. El-Azab, Abdulrahman M. Al-Obaid, Madhukar Hemamalini and Hoong-Kun Fun. *Acta Cryst.* (2012). **E68**, o533.
13. S-Phenyl 4-methoxybenzothioate. Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Hussein I. El-Subbagh, Suchada Chantraprommae and Hoong-Kun Fun. *Acta Cryst.* (2012). **E68**, o1074–o1075.
14. 2-Methyl-3-(2-methylphenyl)-4-oxo-3,4-dihydroquinazolin-8-yl 4-chlorobenzoate. Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Amer M. Alanazi, Seik Weng Ng and Edward R. T. Tiekink. *Acta Cryst.* (2012). **E68**, o2052–o2053.
15. N-(3-Aminobicyclo[2.2.1]heptan-2-yl)-4-methylbenzenesulfonamide. **Alaa A.-M. Abdel-Aziz**, Adel S. El-Azab, Magda A. El-Sherbeny, Seik Weng Ng and Edward R. T. Tiekink. *Acta Cryst.* (2012). **E68**, o2032.
16. 2-(2-([4-Oxo-3-(2-phenylethyl)-3,4-dihydroquinazolin-2-yl]sulfanyl)ethyl)-2,3-dihydro-1H-isoindole-1,3-dione. Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**,

Abdulrahman M. Al-Obaid, Seik Weng Ng and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o2057–o2058.

17. 2-{{2-Methyl-3-(2-methylphenyl)-4-oxo-3,4-dihydroquinazolin-8-yl}oxy}-acetonitrile. Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Mohamed A. Al-Omar, SeikWeng Ng and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o2105–o2106.

18. 2-Methylsulfanyl-9H-1,3,4-thiadiazolo-[2,3-b]quinazolin-9-one. Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Ibrahim A. Al-Swaidan, Seik Weng Ng and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o2134.

19. (11R,12S)-16-Aminotetracyclo-[6.6.2.02,7.09,14]hexadeca 2(7),3,5,9(14),10,12-hexaen-15-ol. Alaa **A.-M. Abdel-Aziz**, Adel S. El-Azab, Magda A. El-Sherbeny, Seik Weng Ng and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o2137.

20. (Adamantan-1-yl)(phenylsulfanyl)-methanone. Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Ibrahim A. Al-Swaidan, Seik Weng Ng and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o2104.

• **Professional meeting, conference and workshop:**

1. Drug Discovery & Therapy World Congress 2014, Jun 16-19, 2014, Boston, MA, USA. WWW.ddtwc.com Molecular design, synthesis and biological evaluation of cyclic imides bearing benzenesulfonamide fragment as potential COX-2 inhibitors. Part 2 Ibrahim A. Al-Suwaitan, Amer M. Alanazi, Adel S. El-Azab, Kamal E. H. ElTahir, **Alaa A.-M. Abdel-Aziz**.
2. Drug Discovery & Therapy World Congress 2013, Jun 3-6, 2013, Boston, MA, USA. WWW.ddtwc.com. Design, synthesis and biological evaluation of 2,3-

disubstituted-4(3H)-quinazolinone bearing anilide fragments as potential antitumor agents: Molecular docking study.

3. Drug Discovery & Therapy World Congress 2013, Jun 3-6, 2013, Boston, MA, USA. WWW.ddtwc.com Molecular design, synthesis and biological evaluation of cyclic imides bearing benzenesulfonamide fragment as potential COX-2 inhibitors. Part 2 Ibrahim A. Al-Suwaidan, Amer M. Alanazi, Adel S. El-Azab, Kamal E. H. ElTahir, **Alaa A.-M. Abdel-Aziz**.
4. FUE International Conference on Pharmaceutical Technologies (ICPT). Held on 6-9 February, 2012- Intercontinental-City Star, Cairo, Egypt. 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. Hussein I. El-Subbagh, Ghada S. Hassan, Adel S. El-Azab, **Alaa A.-M. Abdel-Aziz**, Abdulrahman M. Al-Obaid, Othman A. Al-Shabanah, and Mohamed M. Sayed-Ahmed.
5. FUE International Conference on Pharmaceutical Technologies (ICPT). Held on 6-9 February, 2012- Intercontinental-City Star, Cairo, Egypt. Recent developments on the ultra-short acting hypnotic activity of analogues derived from Ethyl 8-oxo-5,6,7,8-tetrahydro-thiazolo[3,2-a][1,3]diazepin-3-carboxylate (HIE-124). Hussein I. El-Subbagh, Ghada S. Hassan, Kamal E. H. El-Taher, Adel S. Al-Azab, **Alaa A.-M. Abdel-Aziz**, Khalid A. Al-Rashood, Mohamed M. Hefnawy.
6. FUE International Conference on Pharmaceutical Technologies (ICPT). Held on 6-9 February, 2012- Intercontinental-City Star, Cairo, Egypt. Synthesis, Biological Evaluation, and X-Ray Crystallography of Novel ArylsulfonylUreas

CURRICULUM VITAE

as Antitumor Agents Hussein I. El-Subbagh, **Alaa A.-M. Abdel-Aziz**, Adel S. Al-Azab, Abdulrahman M. Al-Obaid.

7. Recent trends in the manufacture of scientific research (Administration-Investment - Innovation), 9/10/2011, King Saud University, Riyadh, KSA.
8. 8th international Saudi Pharmaceutical Conference, 25-28 Apr. **2010**, Riyadh, KSA. Synthesis and Design, synthesis and biological evaluation of quinazoline derivatives as potential antitumor agents: molecular docking study. Adel S. El-Azab, Mohamed A. Al-Omara, **Alaa A.-M. Abdel-Aziz**, Aleisa A.M., Sayed-Ahmed M.M. and Sami G. Abdel-Hamide.
9. Chinese Experience in Nano Industry Workshop (King Abdullah Institute for Nanotechnology) 25-27 May, **2008**. Riyadh, KSA.
10. Fourth International Conference for Development and the Environment (F.I.C.D.E), 18-20 March, **2008**, Riyadh, KSA.

- **Projects supported from king AbdulAziz City for Science & Technology:**

1. Synthesis, Biological evaluation, and *In-vitro* Metabolic Studies of Some New Thiazolodiazepine Analogues as CNS Active Agents. King Abdulaziz City for Science & Technology; 2008, Riyadh, Saudi Arabia. AT-2743.
2. Synthesis, Biological Evaluation and Molecular Modeling Studies of Novel Arylsulfonyl Urea's as Antitumor Agents. King Abdulaziz City for Science & Technology; 2008, Riyadh, Saudi Arabia. AT-31-27.
3. Synthesis and Anticonvulsant Activity of Some New Nitrogenous Heterocycles. King Abdulaziz City for Science & Technology; 2008, Riyadh, Saudi Arabia. AT-25-53.

CURRICULUM VITAE

4. Synthesis and Antitumor Activity of Certain 2-thieno-4(3*H*)-quinazolinones.
King Abdulaziz City for Science & Technology; 2004, Riyadh, Saudi Arabia. APR-2339.

- **Projects supported by College of Pharmacy, King Saud University:**

- 1 Synthesis, Molecular Modeling Study, Antihyperlipidemic and Antidiabetic Activities of Some Novel Cyclic-Imides. Pharmacy Research Center; 2008, King Saud University; Riyadh, Saudi Arabia. C.P.R.C. 209.
- 2 Synthesis and Investigation of Some Amanatadine Derivatives as Hepatic Delivery System to Enhance its Activity Against HCV. Pharmacy Research Center; 2008, King Saud University; Riyadh, Saudi Arabia.

- **TEACHING EXPERIENCE:**

- 1 Teaching the Organic and Pharmaceutical Chemistry for undergraduate pharmacy students in the College of Pharmacy at King Suad University, Riyadh, Saudi Arabia Kingdom. (2005- till now).
- 2 Teaching the practical courses (Organic and Pharmaceutical Chemistry) for undergraduate pharmacy students in the College of Pharmacy, Mansoura University, Mansoura, Egypt (1990-1997).
- 3 Teaching the practical courses (Organic Chemistry) for undergraduate students at Kumamoto University, College of Pharmacy, Kumamoto, Japan (1997-2002).
- 4 Teaching the Pharmaceutical Chemistry for undergraduate pharmacy students in the College of Pharmacy, Mansoura University, Mansoura, Egypt (2002-1997).

- **SCIENTIFIC MEMBERSHIP:**

CURRICULUM VITAE

1. Saudi Chemical Society (SCS).
2. Egyptian Syndicate of Pharmacists.
3. Saudi Pharmaceutical Society (SPS).

❖ Reviewer in international Journals:

1. Eur. J. of Med. Chem.
2. Bioorganic Med. Chem.
3. Current Organic Chemistry.
4. Archiv der Pharmazie.
5. Medicinal Chemistry Research.
6. Journal of Heterocyclic Chemistry.
7. Bulletins of the Pharmaceutical Society of Japan
8. Arzneimittelforschung
9. Drug Research.
10. Chinese Journal of Chemistry.
11. Drug Research
12. Molecules.
13. International Journal of Medicinal Chemistry.
14. journal of Saudi Chemical Society (JSCS).
15. Molbank.
16. International Research Journal of Biotechnology (IRJOB).
17. African Journal of Pharmacy and Pharmacology.

❖ Edditorial Board:

1. Journal of Modern Medicinal Chemistry
<http://www.synergypublishers.com/editorial-board-jmmc>
2. Pharmaceutics isrn
<http://www.isrn.com/journals/pharmaceutics/editors/>