

Nial Wheate
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Biography

Professor Wheate is a graduate of the Australian Defence Force Academy and served as an officer in the Royal Australian Navy in various roles prior to becoming an academic.

He has held an Associate Lecturer position in the School of Sciences at The University of New South Wales (UNSW), a Research Fellowship in the School of Biomedical and Health Sciences at Western Sydney University and was a Lecturer in the Strathclyde Institute of Pharmacy and Biomedical Science at the University of Strathclyde in Scotland before taking up a position as Senior Lecturer, and later Associate Professor, in the Faculty of Medicine and Health at The University of Sydney.

During his time at Sydney, he held roles as Program Director of the pharmacy undergraduate degrees, Head of Cancer Research, and MPharm Director.

He has also been a member of the sunscreens panel for Standards Australia, an Pain Advisory Board member for Haleon Pty Ltd, a Board Director of the Australian Medicinal Cannabis Association, and a Director for three start-up companies in health and beauty, pharmaceuticals, and medical devices.

He joined Macquarie University in 2024. His research is split between drug delivery and medicines formulation and the factors that drive education success.

Qualifications

Doctor of Science, The University of Sydney

Master of Business Administration, The University of Sydney

Doctor of Philosophy, University of New South Wales

Bachelor of Science (Honours), University of New South Wales

Fellow and Chartered Chemist of the Royal Australian Chemical Institute, FRACI CChem

Senior Fellow of the Higher Education Academy (AdvanceHE), SFHEA

Employment

Professor

Professor

School of Natural Sciences

Macquarie University

3 Apr 2025 → present

Director

SetDose Pty Ltd

Australia

Chief Scientific officer

Vaihea Skincare LLC

United States

Research outputs

What happened to BBR3464 and where to from here for multinuclear platinum-based anticancer drugs?

Tesoriero, M. A. & Wheate, N. J., 14 Feb 2025, In: Dalton Transactions. 54, 6, p. 2199-2208 10 p.

An analysis of the trends in the usage of Pharmaceutical Benefits Scheme-subsidised cancer drugs in Australia from 2012 to 2022

Lee, J., Panagiotelis, A., Cairns, R. & Wheate, N. J., Aug 2024, In: Journal of Cancer Research and Clinical Oncology. 150, 8, p. 1-11 11 p., 375.

Can we predict drug excretion into saliva? A systematic review and analysis of physicochemical properties

Nguyen, T. A., Chen, R. H., Hawkins, B. A., Hibbs, D. E., Kim, H. Y., Wheate, N. J., Groundwater, P. W., Stocker, S. L. & Alffenaar, J. W. C., Aug 2024, In: Clinical Pharmacokinetics. 63, 8, p. 1067-1087 21 p.

Progress in lipid and inorganic nanocarriers for enhanced skin drug delivery

Albahr, L., Du, H., Zhang, X., Kathuria, H., Fahmi Anwar-Fadzil, A., Wheate, N. J. & Kang, L., Jun 2024, In: Advanced NanoBiomed Research. 4, 6, p. 1-24 24 p., 2400003.

Causes and outcomes of at-risk underperforming pharmacy students: implications for policy and practice

Campbell, A., Hinton, T., da Costa, N. C., O'Brian, S. E., Liang, D. R. & Wheate, N. J., 19 Apr 2024, In: BMC Medical Education. 24, 1, p. 1-11 11 p., 421.

Settling the cucurbituril abbreviation debate? Q[n], Qn, CB[n], or CBn

Wheate, J. T. & Wheate, N. J., 2024, In: Supramolecular Chemistry. 35, 1-12, p. 4-6 3 p.

Targeting strategies using gold nanoparticles for efficient drug delivery

Wheate, N. J., 2024, *Gold nanoparticles for drug delivery*. Kesharwani, P. (ed.). London ; San Diego ; Cambridge, USA ; Oxford: Elsevier, p. 123-139 17 p.

Potential factors that can affect the performance of undergraduate pharmacy research students: a descriptive study

Gnjidic, D., da Costa, N. & Wheate, N. J., Dec 2023, In: BMC Medical Education. 23, 1, p. 1-9 9 p., 32.

Microneedle-enabled therapeutics delivery and biosensing in clinical trials

Zhang, J., Li, H., Albahr, L., Zhang, Y., Lu, A., Chen, W., Shao, T., Zhu, L., Yuan, H., Yang, G., Wheate, N. J., Kang, L. & Wu, C., Aug 2023, In: Journal of Controlled Release. 360, p. 687-704 18 p.

The effectiveness and adverse events of cannabidiol and tetrahydrocannabinol used in the treatment of anxiety disorders in a PTSD subpopulation: an interim analysis of an observational study

Stack, S. K., Wheate, N. J., Moloney, N. C., Abelev, S. V., Barlow, J. W. & Schubert, E. A., Aug 2023, In: Journal of Pharmacy Technology. 39, 4, p. 172-182 11 p.

Over-the-counter cough and cold medicines: reported poisonings of children before and after the 2012 and 2020 labelling changes in Australia

Arbaeen, A., Wheate, N. J., Brown, J. A. & Cairns, R., May 2023, In: Medical Journal of Australia. 218, 9, p. 410-411 2 p.

Medicinal cannabis for Australian patients with chronic refractory pain including arthritis

Schubert, E. A., Johnstone, M. T., Benson, M. J., Alffenaar, J. C. & Wheate, N. J., Apr 2023, In: British Journal of Pain. 17, 2, p. 206-217 12 p.

Hospitalised poisonings in Australian children: a 10-year retrospective study

Arbaeen, A., Noghrehchi, F., Wheate, N. J. & Cairns, R., Mar 2023, In: Clinical Toxicology. 61, 3, p. 153-161 9 p.

Medicinal cannabis for patients with chronic non-cancer pain: analysis of safety and concomitant medications

Schubert, E. A., Alffenaar, J. C., Johnstone, M. T., Barlow, J. W. & Wheate, N. J., 2023, In: International Journal of Pharmacy Practice. 31, 1, p. 70-79 10 p.

Medicinal cannabis for the treatment of anxiety disorders: a narrative review

Stack, S. K., Wheate, N. J. & Schubert, E. A., Sept 2022, In: Current Treatment Options in Psychiatry. 9, 3, p. 163-173 11 p.

A chemical perspective on the clinical use of platinum-based anticancer drugs

Alassadi, S., Pisani, M. J. & Wheate, N. J., 7 Aug 2022, In: Dalton Transactions. 51, 29, p. 10835-10846 12 p.

A review of environmental contamination and potential health impacts on aquatic life from the active chemicals in sunscreen formulations

Wheate, N. J., Apr 2022, In: Australian Journal of Chemistry. 75, 4, p. 241-248 8 p.

Poisonings with ADHD medication in children under the age of 5 years in Australia: a retrospective study, 2004-2019

Arbaeen, A., Wheate, N. J. & Cairns, R., Mar 2022, In: BMJ Paediatrics Open. 6, 1, p. 1-6 6 p., e001325.

Comparative host-guest complex formation of the Alzheimer's drug memantine with *para*-sulfonatocalix[*n*]arenes (*n* = 4 or 8)

Wheate, N. J., Oct 2021, In: Journal of Inclusion Phenomena and Macrocyclic Chemistry. 101, 1-2, p. 131-137 7 p.

Macrocycles as drug-enhancing excipients in pharmaceutical formulations

Gu, A. & Wheate, N. J., Jun 2021, In: Journal of Inclusion Phenomena and Macrocyclic Chemistry. 100, 1-2, p. 55-69 15 p.

Opioid exposures in children under 5 years of age (2004–2019): a retrospective study of calls to Australia's largest poisons information centre

Arbaeen, A., Wheate, N. J. & Cairns, R., Jun 2021, In: Journal of Paediatrics and Child Health. 57, 6, p. 883-887 5 p.

An analysis for adulteration and contamination of over-the-counter weight-loss products

Wong, P. H. B., Harnett, J. E., Clases, D. & Wheate, N. J., Apr 2021, In: AAPS PharmSciTech. 22, 3, p. 1-8 8 p., 78.

Aqueous compatibility of 15 pharmaceutical antimicrobial preservatives with the macrocycles cucurbit[7]uril and *para*-sulfonatocalix[4]arene

Nastatos, X. L., Mansour, E., Gu, A. & Wheate, N. J., 2021, In: Supramolecular Chemistry. 33, 9, p. 504-512 9 p.

Demonstration of the first known 1:2 host-guest encapsulation of a platinum anticancer complex within a macrocycle

Moussa, Y. E., Venkataramanan, N. S. & Wheate, N. J., Feb 2020, In: Journal of Inclusion Phenomena and Macrocyclic Chemistry. 96, 1-2, p. 145-154 10 p.

Platinum drugs in the Australian cancer chemotherapy healthcare setting: is it worthwhile for chemists to continue to develop platinum?

Um, I. S., Armstrong-Gordon, E., Moussa, Y. E., Gnjjidic, D. & Wheate, N. J., 24 Jun 2019, In: Inorganica Chimica Acta. 492, p. 177-181 5 p.

Analysis of the interaction of *para*-sulfonatocalix[8]arene with free amino acids and a six residue segment of β -amyloid peptide as a potential treatment for Alzheimer's disease

Schubert, E. A., Kayser, V. & Wheate, N. J., Apr 2019, In: Journal of Inclusion Phenomena and Macrocyclic Chemistry. 93, 3-4, p. 265-273 9 p.

Development of a pharmacy undergraduate laboratory class which combines compounding, natural products, and analytical chemistry

Um, I. S., Wheate, N. J. & Harnett, J. E., 2019, In: Pharmacy Education. 19, 1, p. 370-373 4 p.

An evaluation of garlic products available in Australian pharmacies—From the label to the laboratory

Chan, W-J. J., McLachlan, A. J., Wheate, N. J. & Harnett, J. E., Dec 2018, In: Journal of Herbal Medicine. 14, p. 61-67 7 p.

Demonstration of *in vitro* host-guest complex formation and safety of *para*-sulfonatocalix[8]arene as a delivery vehicle for two antibiotic drugs

Moussa, Y. E., Ong, Y. Q. E., Perry, J. D., Cheng, Z., Kayser, V., Cruz, E., Kim, R. R., Sciortino, N. & Wheate, N. J., Dec 2018, In: Journal of Pharmaceutical Sciences. 107, 12, p. 3105-3111 7 p.

Patterns of platinum drug use in an acute care setting: a retrospective study
Armstrong-Gordon, E., Gnjidic, D., McLachlan, A. J., Hosseini, B., Grant, A., Beale, P. J. & Wheate, N. J., Aug 2018, In: Journal of Cancer Research and Clinical Oncology. 144, 8, p. 1561-1568 8 p.

The side effects of platinum-based chemotherapy drugs: a review for chemists
Oun, R., Moussa, Y. E. & Wheate, N. J., 21 May 2018, In: Dalton Transactions. 47, 19, p. 6645-6653 9 p.

para-Sulfonatocalix[4]arene and polyamidoamine dendrimer nanocomplexes as delivery vehicles for a novel platinum anticancer agent
Pang, C. T., Ammit, A. J., Ong, Y. Q. E. & Wheate, N. J., Nov 2017, In: Journal of Inorganic Biochemistry. 176, p. 1-7 7 p.

Comparative macrocycle binding of the anticancer drug phenanthriplatin by cucurbit[*n*]urils, β -cyclodextrin and *para*-sulfonatocalix[4]arene: a ^1H NMR and molecular modelling study
Kahwajy, N., Nematollahi, A., Kim, R. R., Church, W. B. & Wheate, N. J., Apr 2017, In: Journal of Inclusion Phenomena and Macrocyclic Chemistry. 87, 3-4, p. 251-258 8 p.

Determining the ibuprofen concentration in liquid-filled gelatin capsules to practice collecting and interpreting experimental data, and evaluating the methods and accuracy of quality testing
Wheate, N. J., Apps, M. G., Khalifa, H., Doughty, A. & Patel, A. R., 2017, In: Journal of Chemical Education. 94, 8, p. 1107-1110 4 p.

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Krause-Heuer, A. M., Fraser-Spears, R., Dobrowolski, J. C., Ashford, M. E., Wyatt, N. A., Roberts, M. P., Gould, G. G., Cheah, W. C., Ng, C. K. L., Bhadbhade, M., Zhang, B., Greguric, I., Wheate, N. J., Kumar, N., Koek, W., Callaghan, P. D., Daws, L. C. & Fraser, B. H., 2017, In: European Journal of Medicinal Chemistry. 137, p. 476-487 12 p.

Host-guest complexes of carboxylated pillar[*n*]arenes with drugs
Wheate, N. J., Dickson, K. A., Kim, R. R., Nematollahi, A., Macquart, R. B., Kayser, V., Yu, G., Church, W. B. & Marsh, D. J., Dec 2016, In: Journal of Pharmaceutical Sciences. 105, 12, p. 3615-3625 11 p.

Executive functions predict conceptual learning of science
Rhodes, S. M., Booth, J. N., Palmer, L. E., Blythe, R. A., Delibegovic, M. & Wheate, N. J., Jun 2016, In: British Journal of Developmental Psychology. 34, 2, p. 261-275 15 p.

Cucurbit[*n*]urils as excipients in pharmaceutical dosage forms
Wheate, N. J. & Limantoro, C., 2016, In: Supramolecular Chemistry. 28, 9-10, p. 849-856 8 p.

Loading of a phenanthroline-based platinum(ii) complex onto the surface of a carbon nanotube via π - π stacking
Houston, S. A., Venkataramanan, N. S., Suvitha, A. & Wheate, N. J., 2016, In: Australian Journal of Chemistry. 69, 10, p. 1124-1129 6 p.

Cucurbit [7] uril encapsulated cisplatin overcomes resistance to cisplatin induced by Rab25 overexpression in an intraperitoneal ovarian cancer model
Gomez-Roman, N., McGregor, F., Wheate, N. J. & Plumb, J. A., 18 Sept 2015, In: Journal of Ovarian Research. 8, p. 1-10 10 p., 62.

The state-of-play and future of platinum drugs
Apps, M. G., Choi, E. H. Y. & Wheate, N. J., Aug 2015, In: Endocrine-Related Cancer. 22, 4, p. R219-R233 15 p.

Synthesis and characterisation of sterically hindered pyridine based multinuclear platinum anticancer complexes and their cytotoxicity
Apps, M. & Wheate, N., Nov 2014, In: Asia-Pacific Journal of Clinical Oncology. 10, S7, p. 28 1 p.

Targeted delivery of platinum drugs to tumours using carrier DNA-tethered aptamers

Upadhyay, P. J., Zhou, F., Collins, G. & Wheate, N. J., Nov 2014, In: Asia-Pacific Journal of Clinical Oncology. 10, S7, p. 42-43 2 p.

The *ex vivo* neurotoxic, myotoxic and cardiotoxic activity of cucurbituril-based macrocyclic drug delivery vehicles

Oun, R., Floriano, R. S., Isaacs, L., Rowan, E. G. & Wheate, N. J., Nov 2014, In: Toxicology Research. 3, 6, p. 447-455 9 p.

Analysis of montmorillonite clay as a vehicle in platinum anticancer drug delivery

Apps, M. G., Ammit, A. J., Gu, A. & Wheate, N. J., 1 Sept 2014, In: Inorganica Chimica Acta. 421, p. 513-518 6 p.

Chemical factors affecting cucurbit[*n*]uril formulation into ocular dosage forms: excipient binding, solubility, corneal permeability and antibiotic encapsulation

Chu, J. J., Apps, M. G. & Wheate, N. J., Sept 2014, In: Supramolecular Chemistry. 26, 9, p. 648-656 9 p.

A cisplatin slow-release hydrogel drug delivery system based on a formulation of the macrocycle cucurbit[7]uril, gelatin and polyvinyl alcohol

Oun, R., Plumb, J. A. & Wheate, N. J., May 2014, In: Journal of Inorganic Biochemistry. 134, p. 100-105 6 p.

Amide coupling reaction for the synthesis of bispyridine-based ligands and their complexation to platinum as dinuclear anticancer agents

Apps, M. G., Johnson, B. W., Sutcliffe, O. B., Brown, S. D. & Wheate, N. J., May 2014, In: Journal of Visualized Experiments: JoVE. 87, p. 1-7 7 p., e51740.

Topical cream-based dosage forms of the macrocyclic drug delivery vehicle cucurbit[6]uril

Seif, M., Impelido, M. L., Apps, M. G. & Wheate, N. J., 15 Jan 2014, In: PLoS ONE. 9, 1, p. 1-8 8 p., e85361.

Evidence for a role of executive functions in learning biology

Rhodes, S. M., Booth, J. N., Campbell, L. E., Blythe, R. A., Wheate, N. J. & Delibegovic, M., Jan 2014, In: Infant and Child Development. 23, 1, p. 67-83 17 p.

DNA-based aptamer fails as a simultaneous cancer targeting agent and drug delivery vehicle for a phenanthroline-based platinum(II) complex

McGinley, N. L., Plumb, J. A. & Wheate, N. J., Nov 2013, In: Journal of Inorganic Biochemistry. 128, p. 124-130 7 p.

Encapsulation of cisplatin by cucurbit[7]uril decreases the neurotoxic and cardiotoxic side effects of cisplatin

Oun, R., Plumb, J., Rowan, E. & Wheate, N., 28 Aug 2013, In: Toxicology Letters. 221, Supplement, p. S92 1 p.

Cisplatin drug delivery using gold-coated iron oxide nanoparticles for enhanced tumour targeting with external magnetic fields

Wagstaff, A. J., Brown, S. D., Holden, M. R., Craig, G. E., Plumb, J. A., Brown, R. E., Schreiter, N., Chrzanowski, W. & Wheate, N. J., 1 Dec 2012, In: Inorganica Chimica Acta. 393, p. 328-333 6 p.

Folding of dinuclear platinum anticancer complexes within the cavity of *para*-sulphonatocalix[4]arene

Brown, S. D., Plumb, J. A., Johnston, B. F. & Wheate, N. J., 1 Dec 2012, In: Inorganica Chimica Acta. 393, p. 182-186 5 p.

Nanoparticles: the future for platinum drugs or a research red herring?

Wheate, N. J., Sept 2012, In: Nanomedicine. 7, 9, p. 1285-1287 3 p.

Cucurbit[7]uril encapsulated cisplatin overcomes cisplatin resistance *via* a pharmacokinetic effect

Plumb, J. A., Venugopal, B., Oun, R., Gomez-Roman, N., Kawazoe, Y., Venkataramanan, N. S. & Wheate, N. J., Jun 2012, In: Metallomics. 4, 6, p. 561-567 7 p.

Cisplatin-tethered gold nanoparticles that exhibit enhanced reproducibility, drug loading, and stability: a step closer to pharmaceutical approval?

Craig, G. E., Brown, S. D., Lamprou, D. A., Graham, D. & Wheate, N. J., 19 Mar 2012, In: *Inorganic Chemistry*. 51, 6, p. 3490-3497 8 p.

Rationalising sequence selection by ligand assemblies in the DNA minor groove: the case for thiazotropsin A

Alniss, H. Y., Anthony, N. G., Khalaf, A. I., MacKay, S. P., Suckling, C. J., Waigh, R. D., Wheate, N. J. & Parkinson, J. A., Mar 2012, In: *Chemical Science*. 3, 3, p. 711-722 12 p.

Combining aspects of the platinum anticancer drugs picoplatin and BBR3464 to synthesize a new family of sterically hindered dinuclear complexes; their synthesis, binding kinetics and cytotoxicity

Brown, S. D., Trotter, K. D., Sutcliffe, O. B., Plumb, J. A., Waddell, B., Briggs, N. E. B. & Wheate, N. J., 2012, In: *Dalton Transactions*. 41, 37, p. 11330-11339 10 p.

Using spectroscopic techniques to examine drug–DNA interactions

Hicks, M. R., Orkey, N. U., Pisani, M. J., Collins, J. G., Wheate, N. J. & Aldrich-Wright, J. R., 2012, *Methods for studying nucleic acid/drug interactions*. Wanunu, M. & Tor, Y. (eds.). Boca Raton: CRC Press, Taylor & Francis Group, p. 3-42 40 p.

Evaluation of anionic half generation 3.5-6.5 poly(amidoamine) dendrimers as delivery vehicles for the active component of the anticancer drug cisplatin

Kirkpatrick, G. J., Plumb, J. A., Sutcliffe, O. B., Flint, D. J. & Wheate, N. J., Sept 2011, In: *Journal of Inorganic Biochemistry*. 105, 9, p. 1115-1122 8 p.

The potential of cucurbit[*n*]urils in drug delivery

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Host-guest complexes of the antituberculosis drugs pyrazinamide and isoniazid with cucurbit[7]uril

Wheate, N. J., Vora, V., Anthony, N. G. & McInnes, F. J., Dec 2010, In: *Journal of Inclusion Phenomena and Macrocyclic Chemistry*. 68, 3-4, p. 359-367 9 p.

Gold nanoparticles for the improved anticancer drug delivery of the active component of oxaliplatin

Brown, S. D., Nativo, P., Smith, J-A., Stirling, D., Edwards, P. R., Venugopal, B., Flint, D. J., Plumb, J. A., Graham, D. & Wheate, N. J., 7 Apr 2010, In: *Journal of the American Chemical Society*. 132, 13, p. 4678-4684 7 p.

Microwave synthesis of cucurbit[*n*]urils

Wheate, N. J., Patel, N. & Sutcliffe, O. B., Feb 2010, In: *Future Medicinal Chemistry*. 2, 2, p. 231-236 6 p.

Solid state stabilisation of the orally delivered drugs atenolol, glibenclamide, memantine and paracetamol through their complexation with cucurbit[7]uril

McInnes, F. J., Anthony, N. G., Kennedy, A. R. & Wheate, N. J., 2010, In: *Organic and Biomolecular Chemistry*. 8, 4, p. 765-773 9 p.

Synthesis, processing and solid state excipient interactions of cucurbit[6]uril and its formulation into tablets for oral drug delivery

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The status of platinum anticancer drugs in the clinic and in clinical trials

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Studies of the mechanism of action of platinum(II) complexes with potent cytotoxicity in human cancer cells

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Drug delivery as a means of enhancing the activity of platinum compounds

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Anionic PAMAM dendrimers as drug delivery vehicles for transition metal-based anticancer drugs

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Diffusion coefficient of cucurbit[*n*]urils (*n* = 6 or 7) at various concentrations, temperatures, and pH

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A chemical preformulation study of a host-guest complex of cucurbit[7]uril and a multinuclear platinum agent for enhanced anticancer drug delivery

Kennedy, A. R., Florence, A. J., McInnes, F. J. & Wheate, N. J., 2009, In: *Dalton Transactions*. 37, p. 7695-7700 6 p.

Diffusion-based studies on the self-stacking and nanorod formation of platinum(II) intercalators

Krause-Heuer, A. M., Wheate, N. J., Price, W. S. & Aldrich-Wright, J., 2009, In: *Chemical Communications*. 10, p. 1210-1212 3 p.

Improving platinum(II)-based anticancer drug delivery using cucurbit[*n*]urils

Wheate, N. J., Dec 2008, In: *Journal of Inorganic Biochemistry*. 102, 12, p. 2060-2066 7 p.

Substituted β -cyclodextrin and calix[4]arene as encapsulatory vehicles for platinum(II)-based DNA intercalators

Krause-Heuer, A. M., Wheate, N. J., Tilby, M. J., Graham Pearson, D., Ottley, C. J. & Aldrich-Wright, J. R., 4 Aug 2008, In: *Inorganic Chemistry*. 47, 15, p. 6880-6888 9 p.

Degradation of bidentate-coordinated platinum(II)-based DNA intercalators by reduced L-glutathione

Kemp, S., Wheate, N. J., Pisani, M. J. & Aldrich-Wright, J. R., 8 May 2008, In: *Journal of Medicinal Chemistry*. 51, 9, p. 2787-2794 8 p.

Examination of cucurbit[7]uril and its host-guest complexes by diffusion nuclear magnetic resonance

Wheate, N. J., Kumar, P. G. A., Torres, A. M., Aldrich-Wright, J. R. & Price, W. S., 28 Feb 2008, In: *Journal of Physical Chemistry B*. 112, 8, p. 2311-2314 4 p.

Encapsulation of platinum(II)-based DNA intercalators within cucurbit[6,7,8]urils

Kemp, S., Wheate, N. J., Wang, S., Collins, J. G., Ralph, S. F., Day, A. I., Higgins, V. J. & Aldrich-Wright, J. R., Sept 2007, In: *Journal of Biological Inorganic Chemistry*. 12, 7, p. 969-979 11 p.

The effect of ancillary ligand chirality and phenanthroline functional group substitution on the cytotoxicity of platinum(II)-based metallointercalators

Kemp, S., Wheate, N. J., Buck, D. P., Nikac, M., Collins, J. G. & Aldrich-Wright, J. R., Jul 2007, In: *Journal of Inorganic Biochemistry*. 101, 7, p. 1049-1058 10 p.

DNA intercalators in cancer therapy: organic and inorganic drugs and their spectroscopic tools of analysis

Wheate, N. J., Brodie, C. R., Collins, J. G., Kemp, S. & Aldrich-Wright, J. R., Jun 2007, In: *Mini-Reviews in Medicinal Chemistry*. 7, 6, p. 627-648 22 p.

Synthesis of DNA-sequence-selective hairpin polyamide platinum complexes

Taleb, R. I., Jaramillo, D., Wheate, N. J. & Aldrich-Wright, J. R., 5 Apr 2007, In: Chemistry - A European Journal. 13, 11, p. 3177-3186 10 p.

Synthesis of a heterodinuclear ruthenium(II)-platinum(II) complex linked by L-cysteine methyl ester

Yousouf, S. J., Brodie, C. R., Wheate, N. J. & Aldrich-Wright, J. R., 22 Jan 2007, In: Polyhedron. 26, 2, p. 318-328 11 p.

Novel platinum(II)-based anticancer complexes and molecular hosts as their drug delivery vehicles

Wheate, N. J., Taleb, R. I., Krause-Heuer, A. M., Cook, R. L., Wang, S., Higgins, V. J. & Aldrich-Wright, J. R., 2007, In: Dalton Transactions. 43, p. 5055-5064 10 p.

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(4,7-dimethyl-1,10-phenanthroline)(ethylenediamine)platinum(II) dichloride tris(deuterium oxide) solvate

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Polyamide platinum anticancer complexes designed to target specific DNA sequences

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Synthesis, characterisation and biological activity of chiral platinum(II) complexes

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Prizes

John Martin Memorial Award

Wheate, Nial (Recipient), 2024

National Best-in-Field (Inorganic Chemistry)

Wheate, Nial (Recipient), 2022

Nyholm Lecturer

Wheate, Nial (Recipient), 2018

The Australian Defence Medal

Wheate, Nial (Recipient), 2007

The National Medal

Wheate, Nial (Recipient), 2017

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