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Application of quality by design elements for the development and optimization of an analytical method for protamine sulfate

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96	Protamine-Induced Supramolecular Self-Assembly of Red-Emissive Alkynylplatinum(II) 2,6-Bis(benzimidazol-2-yl)pyridine Complex for Selective Label-Free Sensing of Heparin and Real-Time Monitoring of Trypsin Activity.		
95	Physicochemical characterization of complex drug substances: evaluation of structural similarities and differences of protamine sulfate from various sources. <i>AAPS Journal</i> , 2012 , 14, 619-26	3.7	19
94	Development and validation of a HPLC method for the assay of dapivirine in cell-based and tissue permeability experiments. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 911, 76-83	3.2	11
93	Development and evaluation of paclitaxel nanoparticles using a quality-by-design approach. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 3748-61	3.9	54
92	Colorimetric and fluorescent detection of protamines with an anionic polythiophene derivative. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 6466-9	3.9	25
91	Application of quality by design to the development of analytical separation methods. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 443-50	4.4	128
90	Effect of protamine on the accumulation of gentamicin in opossum kidney epithelial cells. <i>Journal of Pharmacy and Pharmacology</i> , 2013 , 65, 441-6	4.8	11
89	Utility of Experimental Design in Pre-Column Derivatization for the Analysis of Tobramycin by HPLC-Fluorescence Detection: Application to Ophthalmic Solution and Human Plasma. <i>Analytical Chemistry Insights</i> , 2013 , 8, 9-20		16
88	A validated spectrofluorimetric method for the determination of nifuroxazide through coumarin formation using experimental design. <i>Chemistry Central Journal</i> , 2013 , 7, 90		13
87	Gold nanoparticle coupled with fluorophore for ultrasensitive detection of protamine and heparin. <i>Talanta</i> , 2013 , 116, 951-7	6.2	46
86	Implementation of QbD Approach to the Analytical Method Development and Validation for the Estimation of Propafenone Hydrochloride in Tablet Dosage Form. <i>Chromatography Research International</i> , 2013 , 2013, 1-9		10
85	Application of Design of Experiment and Simulation Methods to Liquid Chromatography Analysis of Topical HIV Microbicides Stampidine and HI443. <i>Journal of Analytical & Bioanalytical Techniques</i> , 2014 , 5,		3
84	Experimental design for the optimization and robustness testing of a liquid chromatography tandem mass spectrometry method for the trace analysis of the potentially genotoxic 1,3-diisopropylurea. <i>Drug Testing and Analysis</i> , 2014 , 6, 898-908	3.5	24
83	Quality by design study of the direct analysis in real time mass spectrometry response. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 278-85	3.5	5
82	Bioanalytical chromatographic method validation according to current regulations, with a special focus on the non-well defined parameters limit of quantification, robustness and matrix effect. <i>Journal of Chromatography A</i> , 2014 , 1353, 10-27	4.5	143
81	A fluorescence assay for the trace detection of protamine and heparin. <i>RSC Advances</i> , 2014 , 4, 25857	3.7	34
80	DEVELOPMENT OF A NEW HIGH-PERFORMANCE THIN LAYER CHROMATOGRAPHIC METHOD FOR QUANTITATIVE ESTIMATION OF LAMIVUDINE AND ZIDOVUDINE IN COMBINED TABLET DOSAGE FORM USING QUALITY BY DESIGN APPROACH. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2014 , 37, 2420-2432	1.3	11

79	Response surface modeling and process optimization of aqueous extraction of natural pigments from Beta vulgaris using BoxBehnken design of experiments. <i>Dyes and Pigments</i> , 2014 , 111, 64-74	4.6	76
78	Bioreactor process parameter screening utilizing a Plackett-Burman design for a model monoclonal antibody. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 1919-1928	3.9	25
77	Application of Quality by Design for the Optimization of an HPLC Method to Determine Ezetimibe in a Supersaturable Self-Nanoemulsifying Formulation. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015 , 38, 874-885	1.3	6
76	Development and Validation of a Stability-Indicating Liquid Chromatographic Method for Estimating Olmesartan Medoxomil Using Quality by Design. <i>Journal of Chromatographic Science</i> , 2015 , 53, 1048-59	1.4	58
75	A novel label-free upconversion fluorescence resonance energy transfer-nanosensor for ultrasensitive detection of protamine and heparin. <i>Analytical Biochemistry</i> , 2015 , 477, 28-34	3.1	29
74	Quality by design based optimization of a high performance liquid chromatography method for assay determination of low concentration preservatives in complex nasal formulations. <i>Acta Chimica Slovenica</i> , 2015 , 62, 72-82	1.9	7
73	Facile and sensitive detection of protamine by enhanced room-temperature phosphorescence of Mn-doped ZnS quantum dots. <i>Analytical Biochemistry</i> , 2015 , 478, 90-5	3.1	26
72	Full factorial design for optimization, development and validation of HPLC method to determine valsartan in nanoparticles. <i>Saudi Pharmaceutical Journal</i> , 2015 , 23, 549-55	4.4	39
71	Modern analytics for naturally derived complex drug substances: NMR and MS tests for protamine sulfate from chum salmon. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 749-59	4.4	13
70	QbD-Based Development and Validation of a Stability-Indicating HPLC Method for Estimating Ketoprofen in Bulk Drug and Proniosomal Vesicular System. <i>Journal of Chromatographic Science</i> , 2016 , 54, 377-89	1.4	19
69	Bovine serum albumin-capped CdS quantum dots as an inner-filter effect sensor for rapid detection and quantification of protamine and heparin. <i>Analytical Methods</i> , 2015 , 7, 8445-8452	3.2	19
68	Quality by Design (QbD): A Practical Experimental Design Approach by Blocking and Varying Certain Factors of a Stability-Indicating HPLC Method for Simultaneous Determination of Omeprazole and Ketoprofen. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015 , 38, 677-686	1.3	9
67	Development and optimization of an HPLC/DAD method for quantification of six petroleum hydrocarbon compounds in aqueous samples. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016 , 39, 837-846	1.3	8
66	Establishment and reliability evaluation of the design space for HPLC analysis of six alkaloids in Coptis chinensis (Huanglian) using Bayesian approach. <i>Chinese Journal of Natural Medicines</i> , 2016 , 14, 697-708	2.8	16
65	QbD-driven development and validation of an efficient bioanalytical UPLC method for estimation of olmesartan medoxomil. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016 , 39, 587-597	1.3	15
64	Analysis of protamine peptides in insulin pharmaceutical formulations by capillary electrophoresis. <i>Journal of Separation Science</i> , 2016 , 39, 1189-94	3.4	5
63	Purification and Characterization of Protamine, the Allergen from the Milt of Large Yellow Croaker (<i>Pseudosciaena crocea</i>), and Its Components. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 1999-2011	5.7	11
62	An integrated Taguchi and response surface methodological approach for the optimization of an HPLC method to determine glimepiride in a supersaturable self-nanoemulsifying formulation. <i>Saudi Pharmaceutical Journal</i> , 2016 , 24, 92-103	4.4	11

61	Using affinity capillary electrophoresis and computational models for binding studies of heparinoids with p-selectin and other proteins. <i>Electrophoresis</i> , 2017 , 38, 1560-1571	3.6	10
60	Determination of the stereoisomeric impurities of sitafloxacin by capillary electrophoresis with dual chiral additives. <i>Journal of Chromatography A</i> , 2017 , 1506, 120-127	4.5	17
59	Validation of HPLC Method for Quantitative Determination of Gefitinib in Polymeric Nanoformulation. <i>Pharmaceutical Chemistry Journal</i> , 2017 , 51, 159-163	0.9	5
58	Silver triangular nanoplates as an high efficiently FRET donor-acceptor of upconversion nanoparticles for ultrasensitive "Turn on-off" protamine and trypsin sensor. <i>Talanta</i> , 2017 , 174, 148-155	6.2	25
57	Q2(R1) Validation of Analytical Procedures. 2017 , 127-166		121
56	Design of experiments in liquid chromatography (HPLC) analysis of pharmaceuticals: analytics, applications, implications and future prospects. <i>Reviews in Analytical Chemistry</i> , 2017 , 36,	2.3	9
55	Optimization of Robust HPLC Method for Quantitation of Ambroxol Hydrochloride and Roxithromycin Using a DoE Approach. <i>Journal of Chromatographic Science</i> , 2017 , 55, 275-283	1.4	8
54	Application of Quality by Design Approach to Bioanalysis: Development of a Method for Elvitegravir Quantification in Human Plasma. <i>Therapeutic Drug Monitoring</i> , 2017 , 39, 531-542	3.2	3
53	An experimental design approach for optimization of spectrophotometric method for estimation of cefixime trihydrate using ninhydrin as derivatizing reagent in bulk and pharmaceutical formulation. <i>Journal of Saudi Chemical Society</i> , 2017 , 21, S101-S111	4.3	19
52	An overview of experimental designs in HPLC method development and validation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 147, 590-611	3.5	147
51	Life cycle management of analytical methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 147, 506-517	3.5	42
50	Development of a validated liquid chromatographic method for quantification of sorafenib tosylate in the presence of stress-induced degradation products and in biological matrix employing analytical quality by design approach. <i>Biomedical Chromatography</i> , 2018 , 32, e4169	1.7	18
49	Detection of protamine in aqueous solution based on CDs and fluorescent technique. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 392, 052025	0.4	
48	A headspace-gas chromatography method for isopropanol determination in warfarin sodium products as a measure of drug crystallinity. <i>Acta Pharmaceutica</i> , 2018 , 68, 31-46	3.2	1
47	Analytical QbD-Integrated Method Development and Validation of Silver Sulphadiazine in Pure Drug and Topical Nanocarrier(s). <i>Analytical Chemistry Letters</i> , 2018 , 8, 727-746	1	2
46	Risk-based approach for method development in pharmaceutical quality control context: A critical review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 161, 110-121	3.5	42
45	Quality by design (QbD) approaches in current pharmaceutical set-up. <i>Expert Opinion on Drug Delivery</i> , 2018 , 15, 737-758	8	49
44	Development and Optimization of Liquid Chromatography Analytical Methods by Using AQbD Principles: Overview and Recent Advances. <i>Organic Process Research and Development</i> , 2019 , 23, 1784-1802	3.9	37

43	Design of experiment avenue for development and validation of RP-HPLC-PDA method for determination of apremilast in bulk and in in-house tablet formulation. <i>Journal of Analytical Science and Technology</i> , 2019 , 10,	3.4	9
42	A novel and simple fluorescent sensor based on AgInZnS QDs for the detection of protamine and trypsin and imaging of cells. <i>Sensors and Actuators B: Chemical</i> , 2019 , 294, 263-269	8.5	29
41	Functionalizing Fe ₃ O ₄ @SiO ₂ with a novel mercaptobenzothiazole derivative: Application to trace fluorometric and colorimetric detection of Fe ³⁺ in water. <i>Applied Surface Science</i> , 2019 , 487, 876-888	6.7	15
40	Micro/Nanoparticle Delivery Systems for Ocular Diseases. <i>Assay and Drug Development Technologies</i> , 2019 , 17, 152-166	2.1	9
39	The Science and Regulations of Naturally Derived Complex Drugs. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2019 ,	0.5	
38	Mass Spectrometry in the Characterization of Complex Drugs. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2019 , 139-155	0.5	
37	AQBD ASSISTED SPECTROPHOTOMETRIC METHODS FOR THE QUANTIFICATION OF CEFIXIME TRIHYDRATE USING TWO OXIDATIVE COUPLING AGENTS. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2019 , 234-242	0.4	
36	DEVELOPMENT AND VALIDATION OF A HIGH-PERFORMANCE THIN-LAYER CHROMATOGRAPHY FOR THE DETERMINATION OF TERBUTALINE SULFATE, BROMHEXINE HYDROCHLORIDE, AND ETOPHYLLINE IN PHARMACEUTICAL DOSAGE FORM. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2019 , 234-242	0.4	0
35	Aggregation-induced emission enhancement of gold nanoclusters triggered by silicon nanoparticles for ratiometric detection of protamine and trypsin. <i>Analytica Chimica Acta</i> , 2019 , 1046, 170-178	6.6	37
34	Statistical optimization of preparing marine macroalgae derived activated carbon/iron oxide magnetic composites for sequestering acetylsalicylic acid from aqueous media using response surface methodologys. <i>Chemosphere</i> , 2019 , 215, 432-443	8.4	20
33	Strategies for stabilizing formulation and QbD assisted development of robust stability indicating method of azilsartan medoxomil/chlorthalidone. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 178, 112910	3.5	2
32	Stability-indicating RP-HPLC method development and validation for determination of nine impurities in apixaban tablet dosage forms. Robustness study by quality by design approach. <i>Biomedical Chromatography</i> , 2020 , 34, e4719	1.7	16
31	Quality by Design Strategy for Simultaneous HPLC Determination of Bromhexine HCl and Its Metabolite Ambroxol HCl in Dosage Forms and Plasma. <i>Chromatographia</i> , 2020 , 83, 1075-1085	2.1	6
30	An anionic polyelectrolyte induced aggregate assembly of Thioflavin-T: A prospective platform for Protamine sensing. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 1174-1182	7.9	6
29	Multivariate Analysis of Perampanel in Pharmaceutical Formulations Using RP-HPLC. <i>Chromatographia</i> , 2020 , 83, 1335-1343	2.1	2
28	Aggregation induced emission of an anionic tetraphenylethene derivative for efficient protamine sensing. <i>Journal of Molecular Liquids</i> , 2020 , 315, 113625	6	21
27	Experimental investigation on sludge dewatering using granulated blast furnace slag as skeleton material. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 11870-11881	5.1	9
26	Magnetic nanocomposite of filamentous algae activated carbon for efficient elimination of cephalixin from aqueous media. <i>Korean Journal of Chemical Engineering</i> , 2020 , 37, 80-92	2.8	12

25	Electrochemiluminescence resonance energy transfer between luminol and black phosphorus nanosheets for the detection of trypsin via the "off-on-off" switch mode. <i>Analyst, The</i> , 2020 , 145, 2204-2211	5.1	10
24	A ratiometric scheme for the fluorescent detection of protamine, a heparin antidote. <i>Journal of Molecular Liquids</i> , 2020 , 303, 112589	6	19
23	Rapid and visual detection of protamine based on ionic self-assembly of a water soluble perylene diimide derivative. <i>Dyes and Pigments</i> , 2020 , 180, 108456	4.6	10
22	QbD-Based Development and Validation of an Efficient RPHPLC Method for Estimation of Abiraterone Acetate in Bulk, Tablet, and In-House-Developed Nano-Formulation. <i>Analytical Chemistry Letters</i> , 2021 , 11, 112-130	1	
21	Introduction to analytical quality by design. 2021 , 1-14		3
20	Developing a Validated HPLC Method for Quantification of Ceftazidime Employing Analytical Quality by Design and Monte Carlo Simulations. <i>Journal of AOAC INTERNATIONAL</i> , 2021 , 104, 620-632	1.7	0
19	Multivariate optimization and evaluation of quaternary mixture in bulk and co-formulated dosage forms by central composite design. <i>Future Journal of Pharmaceutical Sciences</i> , 2021 , 7,	2.1	
18	Simultaneous separation of insulin and six therapeutic analogues on a mixed mode column: HPLC-UV method development and application. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1171, 122557	3.2	0
17	Development and Validation of an HPLC Method Using an Experimental Design for Analysis of Amlodipine Besylate and Enalapril Maleate in a Fixed-dose Combination. <i>Turkish Journal of Pharmaceutical Sciences</i> , 2021 , 18, 306-318	1.1	2
16	Thrombus-specific theranostic nanocomposite for codelivery of thrombolytic drug, algae-derived anticoagulant and NIR fluorescent contrast agent. <i>Acta Biomaterialia</i> , 2021 , 134, 686-701	10.8	5
15	Ultrasensitive off-on-off fluorescent nanosensor for protamine and trypsin detection based on inner-filter effect between N,S-CDs and gold nanoparticles. <i>Microchemical Journal</i> , 2021 , 168, 106409	4.8	5
14	Analysis of Aspirin, Prasugrel and Clopidogrel in Counterfeit Pharmaceutical and Herbal Products: Plackett-Burman Screening and Box-Behnken Optimization. <i>Journal of Chromatographic Science</i> , 2021 , 59, 730-747	1.4	2
13	Application of quality by design approach in RP-HPLC method development for simultaneous estimation of saxagliptin and dapagliflozin in tablet dosage form. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 55,	1.8	6
12	QbD Approach Method Development for Estimation of Dabigatran Etxilate along with Its Impurities and Identification of Degradants in Capsule Dosage Form. <i>American Journal of Analytical Chemistry</i> , 2016 , 07, 494-524	0.7	7
11	Effect of Lactobacillus casei fermented Senna tora L. seeds and its active compound via muscarinic M3 signaling on the improvement of intestinal function in rats. <i>Journal of Applied Biological Chemistry</i> , 2020 , 63, 365-373	0.7	0
10	Method development on reverse-phase high-performance liquid chromatography for the improvement of routine analysis of flavonoids on agricultural and food products. <i>Pharmacognosy Magazine</i> , 2020 , 16, 486	0.8	
9	Design of Experiment Centered Multivariate Optimization Strategy for RP-HPLC Method to Quantitate Retapamulin in Topical Cream and Microemulsion. 2020 , 27, 219-229		
8	Experimental Design Approach for Quantitative Expressions of Simultaneous Quantification of Two Binary Formulations Containing Remogliflozin and Gliptins by RP-HPLC. <i>Separations</i> , 2022 , 9, 23	3.1	3

7	Adsorption of endocrine disruptive congo red onto biosynthesized silver nanoparticles loaded on Hildegardia barteri activated carbon. <i>Journal of Molecular Liquids</i> , 2022 , 352, 118735	6	1
6	A State of the Art in Analytical Quality-by-Design and Perspectives in Characterization of Nano-enabled Medicinal Products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 114911	3.5	0
5	In-use stability assessment of FDA approved metformin immediate release and extended release products for N-Nitrosodimethylamine and dissolution quality attributes. <i>International Journal of Pharmaceutics</i> , 2022 , 623, 121923	6.5	0
4	A CRISPR-enabled fluorometric biosensor for the sensitive detection of heparin antidote protamine based on programmable nuclease Cas12a. 2023 , 374, 132709		0
3	Optimization of HPLC method using central composite design for estimation of Torsemide and Eplerenone in tablet dosage form. 58,		0
2	DoE-enhanced development and validation of eco-friendly RP-HPLC method for analysis of safinamide and its precursor impurity: QbD approach. 2023 , 190, 108730		0
1	Pharmacology of Heparin and Related Drugs: An Update. 2023 , 75, 328-379		1