CITATION REPORT List of articles citing

Optimizing drug development: strategies to assess drug metabolism/transporter interaction potential--toward a consensus

DOI: 10.1023/a:1010994022294 Pharmaceutical Research, 2001, 18, 1071-80.

Source: https://exaly.com/paper-pdf/33129717/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
123	A novel testosterone 6 beta-hydroxylase activity assay for the study of CYP3A-mediated metabolism, inhibition, and induction in vitro. 2001 , 46, 117-23		25
122	Effect of nanonization on absorption of 301029: ex vivo and in vivo pharmacokinetic correlations determined by liquid chromatography/mass spectrometry. <i>Pharmaceutical Research</i> , 2002 , 19, 1091-6	4.5	72
121	The Conduct of In Vitro and In Vivo Drug-Drug Interaction Studies: A PhRMA Perspective. 2003 , 43, 443	-469	191
120	The conduct of in vitro and in vivo drug-drug interaction studies: a Pharmaceutical Research and Manufacturers of America (PhRMA) perspective. 2003 , 31, 815-32		667
119	Comparative effects of thiazolidinediones on in vitro P450 enzyme induction and inhibition. 2003 , 31, 439-46		104
118	A method for identification of inhibition mechanism and estimation of Ki in in vitro enzyme inhibition study. 2003 , 31, 1456-7		5
117	Substrate dependent inhibition profiles of fourteen drugs on CYP3A4 activity measured by a high throughput LCMS/MS method with four probe drugs, midazolam, testosterone, nifedipine and terfenadine. <i>Drug Metabolism and Pharmacokinetics</i> , 2003 , 18, 128-38	2.2	38
116	Evaluation of methods for predicting drug-drug interactions by Monte Carlo simulation. <i>Drug Metabolism and Pharmacokinetics</i> , 2003 , 18, 121-7	2.2	21
115	Quantitative prediction of the in vivo inhibition of diazepam metabolism by omeprazole using rat liver microsomes and hepatocytes. 2004 , 32, 572-80		21
114	Metabolic screening in vitro: metabolic stability, CYP inhibition and induction. 2004, 1, 365-72		41
113	Simulation models for drug disposition and drug interactions. 2004 , 2, 38-45		21
112	Identification of enzymes involved in phase I metabolism of ciclesonide by human liver microsomes. 2005 , 30, 275-86		22
111	Cytochrome P450 3A-mediated metabolism of buspirone in human liver microsomes. 2005 , 33, 500-7		73
110	Automated screening with confirmation of mechanism-based inactivation of CYP3A4, CYP2C9, CYP2C19, CYP2D6, and CYP1A2 in pooled human liver microsomes. 2005 , 33, 1211-9		84
109	Animal models of xenobiotic receptors in drug metabolism and diseases. 2005 , 400, 598-618		26
108	High-throughput in vitro profiling assays: lessons learnt from experiences at Novartis. 2006 , 2, 823-33		28
107	In vitro methods in human drug biotransformation research: implications for cancer chemotherapy. 2006 , 20, 135-53		30

106	The use of wireless laptop computers for computer-assisted learning in pharmacokinetics. 2006, 70, 4	5
105	The effect of St John's wort extracts on CYP3A: a systematic review of prospective clinical trials. 2006 , 62, 512-26	93
104	Interspecies pharmacokinetics and in vitro metabolism of SQ109. 2006 , 147, 476-85	75
103	Characterization of the cytochrome P450 enzymes and enzyme kinetic parameters for metabolism of BVT.2938 using different in vitro systems. 2006 , 40, 1121-30	10
102	Investigation of drug-drug interaction potential of bortezomib in vivo in female Sprague-Dawley rats and in vitro in human liver microsomes. 2006 , 34, 702-8	27
101	Risk assessment for drug-drug interaction caused by metabolism-based inhibition of CYP3A using automated in vitro assay systems and its application in the early drug discovery process. 2007 , 35, 1232-8	61
100	The conduct of drug metabolism studies considered good practice (II): in vitro experiments. 2007, 8, 822-9	200
99	The metabolism of the 5HT3 antagonists ondansetron, alosetron and GR87442 I: a comparison of in vitro and in vivo metabolism and in vitro enzyme kinetics in rat, dog and human hepatocytes, 2 microsomes and recombinant human enzymes. <i>Xenobiotica</i> , 2007 , 37, 832-54	17
98	Evaluation of 3-O-methylfluorescein as a selective fluorometric substrate for CYP2C19 in human liver microsomes. 2007 , 35, 841-7	7
97	A novel model for the prediction of drug-drug interactions in humans based on in vitro cytochrome p450 phenotypic data. 2007 , 35, 79-85	55
96	The development of a cocktail CYP2B6, CYP2C8, and CYP3A5 inhibition assay and a preliminary assessment of utility in a drug discovery setting. 2007 , 35, 381-5	30
95	The metabolism of the 5HT3 antagonists, ondansetron, alosetron and GR87442 II: investigation into the in vitro methods used to predict the in vivo hepatic clearance of ondansetron, alosetron and 2 GR87442 in the rat, dog and human. <i>Xenobiotica</i> , 2007 , 37, 855-69	1
94	Physiologically-Based Models to Predict Human Pharmacokinetic Parameters. 2007, 867-884	
93	In vitro approaches to investigate mechanism-based inactivation of CYP enzymes. 2007 , 3, 321-9	52
92	Induction of hepatic cytochrome P450 enzymes: methods, mechanisms, recommendations, and in vitro-in vivo correlations. <i>Xenobiotica</i> , 2007 , 37, 1196-224	150
91	The Intersection of Strategy and Drug Research. 2007 , 1-84	2
90	In vitro assessment of cytochrome P450 inhibition: strategies for increasing LC/MS-based assay throughput using a one-point IC(50) method and multiplexing high-performance liquid chromatography. 2007 , 96, 2485-93	39
89	Rapid determination of six metabolites from multiple cytochrome P450 probe substrates in human liver microsome by liquid chromatography/mass spectrometry: application to high-throughput inhibition screening of terpenoids. 2007 , 21, 635-43	75

88	Evaluation of flurbiprofen urinary ratios as in vivo indices for CYP2C9 activity. 2007, 63, 477-87	19
87	Diclofenac hydroxylation in monkeys: efficiency, regioselectivity, and response to inhibitors. 2007 , 73, 880-90	15
86	Induction of drug metabolizing enzymes: a survey of in vitro methodologies and interpretations used in the pharmaceutical industrydo they comply with FDA recommendations?. 2007 , 168, 51-65	67
85	The effect of Shoseiryuto, a traditional Japanese medicine, on cytochrome P450s, N-acetyltransferase 2 and xanthine oxidase, in extensive or intermediate metabolizers of CYP2D6. 2007 , 63, 345-53	20
84	The quantitative prediction of CYP-mediated drug interaction by physiologically based pharmacokinetic modeling. <i>Pharmaceutical Research</i> , 2008 , 25, 1891-901	93
83	An automated, high-throughput, 384 well Cytochrome P450 cocktail IC50 assay using a rapid resolution LC-MS/MS end-point. 2008 , 48, 92-9	57
82	Current industrial practices in assessing CYP450 enzyme induction: preclinical and clinical. 2008 , 10, 391-400	104
81	Development of an in vitro drug-drug interaction assay to simultaneously monitor five cytochrome P450 isoforms and performance assessment using drug library compounds. 2008 , 58, 206-14	51
80	In silico modeling of nonspecific binding to human liver microsomes. 2008 , 36, 2130-5	55
79	In vitro inhibition and induction of human liver cytochrome p450 enzymes by milnacipran. 2009 , 37, 2045-54	51
78	Prediction of drug-drug interactions based on time-dependent inhibition from high throughput screening of cytochrome P450 3A4 inhibition. <i>Drug Metabolism and Pharmacokinetics</i> , 2009 , 24, 500-10	28
77	An in vitro evaluation of the victim and perpetrator potential of the anticancer agent laromustine (VNP40101M), based on reaction phenotyping and inhibition and induction of cytochrome P450 enzymes. 2009 , 37, 1922-30	16
76	Glucuronidation of the antiretroviral drug efavirenz by UGT2B7 and an in vitro investigation of drug-drug interaction with zidovudine. 2009 , 37, 1793-6	123
75	Comparison of different algorithms for predicting clinical drug-drug interactions, based on the use of CYP3A4 in vitro data: predictions of compounds as precipitants of interaction. 2009 , 37, 1658-66	166
74	Metabolism of dextrorphan by CYP2D6 in different recombinantly expressed systems and its implications for the in vitro assessment of dextromethorphan metabolism. 2009 , 98, 763-71	12
73	Irreversible CYP3A inhibition accompanied by plasma protein-binding displacement: a comparative analysis in subjects with normal and impaired liver function. 2009 , 85, 319-26	26
72	The conduct of in vitro studies to address time-dependent inhibition of drug-metabolizing enzymes: a perspective of the pharmaceutical research and manufacturers of America. 2009 , 37, 1355-70	242
71	Drug D rug Interactions: Screening for Liability and Assessment of Risk. 2009 , 165-196	

(2011-2010)

70	Theoretical considerations on quantitative prediction of drug-drug interactions. <i>Drug Metabolism</i> and <i>Pharmacokinetics</i> , 2010 , 25, 48-61	20
69	Physiologically Based Pharmacokinetic Modeling. 2010 , 1	1
68	Prediction of human pharmacokineticsevaluation of methods for prediction of hepatic metabolic clearance. <i>Journal of Pharmacy and Pharmacology</i> , 2007 , 59, 803-28	55
67	Prediction of pharmacokinetic drug-drug interaction caused by changes in cytochrome P450 activity using in vivo information. 2010 , 125, 230-48	70
66	Effect of Telavancin on the pharmacokinetics of the cytochrome P450 3A probe substrate midazolam: a randomized, double-blind, crossover study in healthy subjects. 2010 , 30, 136-43	23
65	Effect of single and repeat doses of casopitant on the pharmacokinetics of CYP450 3A4 substrates midazolam and nifedipine. 2010 , 70, 537-46	10
64	Microsomal cytochrome p450-mediated metabolism of protopanaxatriol ginsenosides: metabolite profile, reaction phenotyping, and structure-metabolism relationship. 2010 , 38, 1731-9	45
63	Inhibition and induction of human cytochrome P450 enzymes in vitro by capsaicin. <i>Xenobiotica</i> , 2010 , 40, 807-16	32
62	Hepatic drug-metabolizing enzyme induction and implications for preclinical and clinical risk assessment. 2010 , 38, 799-809	18
61	Assessment of in silico models for fraction of unbound drug in human liver microsomes. 2010 , 6, 533-42	25
60	Human Biotransformation. 2010 , 1-77	7
59	The effect of liver disease on inhibitory and plasma protein-binding displacement interactions: an update. 2010 , 6, 1215-30	10
58	Inhibition of human liver aldehyde oxidase: implications for potential drug-drug interactions. 2011 , 39, 2381-6	48
57	Cytochrome P450 CYP3A in marsupials: cloning and characterisation of the second identified CYP3A subfamily member, isoform 3A78 from koala (Phascolarctos cinereus). 2011 , 154, 367-76	4
56	Genotype-dependent effects of inhibitors of the organic cation transporter, OCT1: predictions of metformin interactions. 2011 , 11, 400-11	58
55	Physiologically-based pharmacokinetics in drug development and regulatory science. <i>Annual Review of Pharmacology and Toxicology</i> , 2011 , 51, 45-73	472
54	Architecture of the drug-drug interaction network. 2011 , 36, 135-43	10
53	In vitro inhibitory effects of Wen-pi-tang-Hab-Wu-ling-san on human cytochrome P450 isoforms. 2011 , 36, 496-503	5

52	Drug metabolism of CYP3A4, CYP2C9 and CYP2D6 substrates in pigs and humans. 2011 , 43, 89-98		44
51	A refined cytochrome P540 ICIshift assay for reliably identifying CYP3A time-dependent inhibitors. 2011 , 39, 1054-7		11
50	Assessment of reactive metabolites in drug-induced liver injury. 2011 , 34, 1879-86		10
49	WITHDRAWN: Cytochrome P450 CYP3A in marsupials: Characterisation of the first identified CYP3A subfamily member, isoform 3A70 from Eastern grey kangaroo (Macropus giganteus). 2011 ,		
48	In vitro metabolism of the mycotoxin enniatin B in different species and cytochrome p450 enzyme phenotyping by chemical inhibitors. 2011 , 39, 1768-76		33
47	Pharmacokinetic-pharmacodynamic modeling of rifampicin-mediated Cyp3a11 induction in steroid and xenobiotic X receptor humanized mice. 2011 , 337, 75-82		9
46	Drug interaction potential of toremifene and N-desmethyltoremifene with multiple cytochrome P450 isoforms. <i>Xenobiotica</i> , 2011 , 41, 851-62	2	7
45	The Potential of In Silico and In Vitro Approaches to Predict In Vivo Drug D rug Interactions and ADMET/TOX Properties. 2012 , 307-329		
44	High-throughput screening of inhibitory effects of Bo-yang-hwan-o-tang on human cytochrome P450 isoforms in vitro using UPLC/MS/MS. 2012 , 28, 1197-201		6
43	In vitro inhibition and induction of human cytochrome P450 enzymes by mirabegron, a potent and selective B -adrenoceptor agonist. <i>Xenobiotica</i> , 2012 , 42, 1187-96	2	33
42	Technical Challenges and Recent Advances of Implementing Comprehensive ADMET Tools in Drug Discovery. 2012 , 129-159		1
41	ADME in Drug Discovery. 2013 , 3-30		5
40	Simultaneous determination of multiple CYP inhibition constants using a cocktail-probe approach. <i>Methods in Molecular Biology</i> , 2013 , 987, 11-23	1.4	5
39	Metabolism Studies In Vitro and In Vivo. 2013 , 1053-1094		2
38	Evaluating the in vitro inhibition of UGT1A1, OATP1B1, OATP1B3, MRP2, and BSEP in predicting drug-induced hyperbilirubinemia. 2013 , 10, 3067-75		55
37	In vitro approaches to investigate cytochrome P450 activities: update on current status and their applicability. 2013 , 9, 1097-113		10
36	Evidence for substrate-dependent inhibition profiles for human liver aldehyde oxidase. 2013 , 41, 24-9		34
35	Time Course of the Changes in Novel Trioxane Antimalarial 99/411 Pharmacokinetics upon Antiepileptic Drugs Co-Administration in SD Rats. 2014 , 2014, 756965		2

34	Metabolism of the hepatotoxic compound sophoraflavanone G in rat liver microsomes. 2014 , 79, T1462-8	5
33	Decreased conversion of 25-hydroxyvitamin D3 to 24,25-dihydroxyvitamin D3 following cholecalciferol therapy in patients with CKD. 2014 , 9, 1965-73	34
32	Inhibition of human cytochrome P450 enzymes by hops (Humulus lupulus) and hop prenylphenols. 2014 , 53, 55-61	30
31	Reaction Phenotyping. 2015 , 1-26	1
30	Pomalidomide: evaluation of cytochrome P450 and transporter-mediated drug-drug interaction potential in vitro and in healthy subjects. 2015 , 55, 168-78	24
29	Cytochrome P450 time-dependent inhibition and induction: advances in assays, risk analysis and modelling. 2015 , 11, 557-72	16
28	The Reliability of Estimating Ki Values for Direct, Reversible Inhibition of Cytochrome P450 Enzymes from Corresponding IC50 Values: A Retrospective Analysis of 343 Experiments. 2015 , 43, 1744-50	26
27	Effects of Guanxinning injection on rat cytochrome P450 isoforms activities in vivo and in vitro. Xenobiotica, 2015 , 45, 481-7	1
26	Inhibition of human aldehyde oxidase activity by diet-derived constituents: structural influence, enzyme-ligand interactions, and clinical relevance. 2015 , 43, 34-41	22
25	Micropatterned coculture of hepatocytes on electrospun fibers as a potential in vitro model for predictive drug metabolism. 2016 , 63, 475-84	15
24	Angiotensin II Receptor Blockers Inhibit the Generation of Epoxyeicosatrienoic Acid from Arachidonic Acid in Recombinant CYP2C9, CYP2J2 and Human Liver Microsomes. 2017 , 121, 239-245	10
23	ADME in Drug Discovery. 2017 , 39-67	7
22	Transporter effects on cell permeability in drug delivery. Expert Opinion on Drug Delivery, 2017, 14, 385-401	15
21	Drug discovery. 2017 , 281-420	1
20	Points-to-consider documents: Scientific information on the evaluation of genetic polymorphisms during non-clinical studies and phase I clinical trials in the Japanese population. <i>Drug Metabolism and Pharmacokinetics</i> , 2018 , 33, 141-149	2
19	Assessment of Pharmacokinetic Drug-Drug Interactions in Humans: In Vivo Probe Substrates for Drug Metabolism and Drug Transport Revisited. <i>Annual Review of Pharmacology and Toxicology</i> , 17.9 2019 , 59, 507-536	22
18	Assessment of drug-drug interaction potential and PBPK modeling of CC-223, a potent inhibitor of the mammalian target of rapamycin kinase. <i>Xenobiotica</i> , 2019 , 49, 54-70	1
17	Characterization of metabolic activity, isozyme contribution and species differences of bavachin, and identification of efflux transporters for bavachin-O-glucuronide in HeLa1A1 cells. <i>Journal of</i> 4.8 <i>Pharmacy and Pharmacology</i> , 2020 , 72, 1771-1786	4

In vitro characterization and in vitro to in vivo predictions of drug-drug interactions. **2020**, 273-309

15	Case Study 4: Application of Basic Enzyme Kinetics to Metabolism Studies-Real-Life Examples. <i>Methods in Molecular Biology</i> , 2021 , 2342, 665-684	1.4	
14	Metabolism Studies in vitro and in vivo. 2006 , 493-520		5
13	Drug Discovery and Evaluation: Methods in Clinical Pharmacology. 2011 , 73-103		2
12	Drug Interactions. 2005 , 133-142		
11	In Vitro Inhibition with Botanical Products. <i>Drugs and the Pharmaceutical Sciences</i> , 2006 , 49-67		
10	Evaluating and Predicting Human Cytochrome P450 Enzyme Induction. 1		1
9	Utilization of In Vitro Cytochrome P450 Inhibition Data for Projecting Clinical Drug D rug Interactions. 1		
8	Probe Cocktail Studies. 2011 , 631-653		
7	Systems Toxicology Modeling for Prediction in Humans.		
6	Case study 3. Application of basic enzyme kinetics to metabolism studies: real-life examples. <i>Methods in Molecular Biology</i> , 2014 , 1113, 441-60	1.4	
5	Probe Cocktail Studies. 2018, 259-284		
4	Assessment of Drug-Drug Interactions of CC-90001, a Potent and Selective Inhibitor of c-Jun N-terminal Kinase <i>Xenobiotica</i> , 2022 , 1-29	2	1
3	The in vitro/in vivo metabolic pathways analysis of lobetyol, lobetyolin, and lobetyolinin, three polyacetylenes from Codonopsis Radix, by UHPLC-Q/TOF-MS and UHPLC-MS/MS. 2023 , 223, 115140		O
2	Drug discovery: Standing on the shoulders of giants. 2023 , 207-338		O
1	In Vitro Hepatic Models to Assess Herb D rug Interactions: Approaches and Challenges. 2023 , 16, 409		О