Comparative metabolism of sildenafil in liver microsomes of different species by using LC/MS-based multivariate analysis

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#	Paper	IF	Citations
17	Metabolism of aildenafil in vivo in rats and in vitro in mouse, rat, dog, and human liver microsomes. *Drug Testing and Analysis*, **2014**, 6, 552-62	3.5	3
16	Wide-Scope Screening of Illegal Adulterants in Dietary and Herbal Supplements via Rapid Polarity-Switching and Multistage Accurate Mass Confirmation Using an LC-IT/TOF Hybrid Instrument. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 6954-67	5.7	29
15	Comparative metabolism of honokiol in mouse, rat, dog, monkey, and human hepatocytes. *Archives of Pharmacal Research*, **2016**, 39, 516-530	6.1	7
14	Characterization of TPN729 metabolites in humans using ultra-performance liquid chromatography/quadrupole time-of-flight mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 117, 217-26	3.5	10
13	Identification and comparative oridonin metabolism in different species liver microsomes by using UPLC-Triple-TOF-MS/MS and PCA. *Analytical Biochemistry*, **2016**, 511, 61-73	3.1	21
12	Pharmacokinetics of single-dose sildenafil administered orally in clinically healthy dogs: Effect of feeding and dose proportionality. *Journal of Veterinary Pharmacology and Therapeutics*, **2018**, 41, 457-462	1.4	8
11	Simultaneous analysis of 23 illegal adulterated aphrodisiac chemical ingredients in health foods and Chinese traditional patent medicines by ultrahigh performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. *Journal of Food and Drug Analysis*, **2018**, 26, 1138-1153	7	17
10	New metabolites of hongdenafil, homosildenafil and hydroxyhomosildenafil. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 149, 586-590	3.5	4
9	Non-targeted metabolomics-guided sildenafil metabolism study in human liver microsomes. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2018**, 1072, 86-93	3.2	11
8	Characterization of in vitro and in vivo metabolism of leelamine using liquid chromatography-tandem mass spectrometry. *Xenobiotica*, **2019**, 49, 577-583	2	5
7	Characterization of TPN171 metabolism in humans via ultra-performance liquid chromatography/quadrupole time-of-flight mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 172, 302-310	3.5	2
6	In vitro metabolism of triclosan studied by liquid chromatography-high-resolution tandem mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 335-342	4.4	2
5	In vitro metabolism of sunscreen compounds by liquid chromatography/high-resolution tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2020**, 34, e8679	2.2	1
4	Species differences in the CYP3A-catalyzed metabolism of TPN729, a novel PDE5 inhibitor. *Acta Pharmacologica Sinica*, **2021**, 42, 482-490	8	4
3	Tandem Mass Spectrometry Molecular Networking as a Powerful and Efficient Tool for Drug Metabolism Studies.. *Analytical Chemistry*, **2022**,	7.8	3
2	Evaluation of Two Novel Hydantoin Derivatives Using Reconstructed Human Skin Model Episkin: Perspectives for Application as Potential Sunscreen Agents.. *Molecules*, **2022**, 27,	4.8	1
1	Pharmacokinetics, mass balance, and metabolism of [14C]TPN171, a novel PDE5 inhibitor, in humans for the treatment of pulmonary arterial hypertension. *Acta Pharmacologica Sinica*,	8	1