Identification of phototransformation products of sildenafil (Viagra) and its N-demethylated human metabolite under simulated sunlight

DOI: 10.1002/jms.2998
Journal of Mass Spectrometry, 2012, 47, 701-11.

#	Paper	IF	Citations
17	Sildenafil and tadalafil in simulated chlorination conditions: ecotoxicity of drugs and their derivatives. *Science of the Total Environment*, **2013**, 463-464, 366-73	10.2	7
16	Photodegradation kinetics of lodenafil carbonate, structure elucidation of two major degradation products using UPLC-MS/MS and in vitro cytotoxicity. *Analytical Methods*, **2013**, 5, 6511	3.2	2
15	Structure elucidation of phototransformation products of unapproved analogs of the erectile dysfunction drug sildenafil in artificial freshwater with UPLC-Q Exactive-MS. *Journal of Mass Spectrometry*, **2014**, 49, 1279-89	2.2	8
14	Investigation of pharmaceuticals and illicit drugs in waters by liquid chromatography-high-resolution mass spectrometry. *TrAC - Trends in Analytical Chemistry*, **2014**, 63, 140-157	14.6	98
13	Transformation Products of Emerging Contaminants: Analytical Challenges and Future Needs. **2014** , 303-324		1
12	Transformation products of emerging contaminants in the environment and high-resolution mass spectrometry: a new horizon. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 6257-73	4.4	77
11	Persistent phototransformation products of vardenafil (Levitra) and sildenafil (Viagra). *Chemosphere*, **2015**, 134, 557-62	8.4	6
10	Universal method to determine acidic licit and illicit drugs and personal care products in water by liquid chromatography quadrupole time-of-flight. *MethodsX*, **2016**, 3, 307-14	1.9	6
9	Determination of phosphodiesterase type V inhibitors in wastewater by direct injection followed by liquid chromatography coupled to tandem mass spectrometry. *Science of the Total Environment*, **2016**, 565, 140-147	10.2	15
8	On-surface Fenton and Fenton-like reactions appraised by paper spray ionization mass spectrometry. *Journal of Mass Spectrometry*, **2018**, 53, 717-724	2.2	4
7	Isolation and identification of ten new sildenafil derivatives in an alleged herbal supplement for sexual enhancement. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 191, 113482	3.5	0
6	Comparative study on photocatalytic degradation of the antidepressant trazodone using (Co, Fe and Ru) doped titanate nanowires: Kinetics, transformation products and in silico toxicity assessment. *Chemosphere*, **2020**, 259, 127486	8.4	5
5	Degradation and mineralization of the emerging pharmaceutical pollutant sildenafil by ozone and UV radiation using response surface methodology. *Environmental Science and Pollution Research*, **2021**, 28, 23868-23886	5.1	4
4	Contribution of sewage to occurrence of phosphodiesterase-5 inhibitors in natural water. *Scientific Reports*, **2021**, 11, 9470	4.9	4
3	Phosphodiesterase-5 (PDE-5) Inhibitors as Emergent Environmental Contaminants: Advanced Remediation and Analytical Methods. *Water (Switzerland)*, **2021**, 13, 2859	3	
2	Tandem Mass Spectrometry Molecular Networking as a Powerful and Efficient Tool for Drug Metabolism Studies.. *Analytical Chemistry*, **2022**,	7.8	3
1	Multi-Interface polarization engineering constructed 1T-2H MoS2 QDs/Y-NaBi(MoO4)2 multiple heterostructure for high-efficient piezoelectric-photoelectrocatalysis PDE-5i degradation. **2023**, 327, 122460		0