

Metal oxides	<i>E. coli</i> log (1/EC ₅₀)	<i>HaCaT</i> log (1/LC ₅₀)	SMILES	Molecular weight	Cationic charge	Mass percentage of metal elements (%)	Size (nm)	Aggregation size (nm)
Al ₂ O ₃	2.49	1.85	O=[Al]O[Al]=O	101.961	3	52.93	44	372
Bi ₂ O ₃	2.82	2.5	O=[Bi]O[Bi]=O	465.959	3	89.7	90	2029
CoO	3.51	2.83	O=[Co]	74.933	2	78.65	100	257
CuO	3.2	--	O=[Cu]	79.545	2	83.25	--	--
Cr ₂ O ₃	2.51	2.3	O=[Cr]O[Cr]=O	151.99	3	68.42	60	617
Fe ₂ O ₃	2.29	2.05	O=[Fe]O[Fe]=O	159.688	3	69.94	32	298
In ₂ O ₃	2.81	2.92	O=[In]O[In]=O	277.634	3	82.71	30	224
La ₂ O ₃	2.87	2.87	O=[La]O[La]=O	325.809	3	85.27	46	673
Mn ₂ O ₃	--	2.64	O=[Mn]O[Mn]=O	157.874	3	69.6	--	--
NiO	3.45	2.49	O=[Ni]	74.693	2	78.58	30	291
Sb ₂ O ₃	2.64	2.31	O=[Sb]O[Sb]=O	291.518	3	83.54	20	223
SiO ₂	2.2	2.12	O=[Si]=O	60.084	4	46.74	150	640
SnO ₂	2.01	2.67	O=[Sn]=O	150.709	4	78.77	15	810
TiO ₂	1.74	1.76	O=[Ti]=O	79.866	4	59.93	46	265
V ₂ O ₃	3.14	2.24	O=[V]O[V]=O	149.881	3	67.98	15	1307
WO ₃	--	2.56	O=[W](=O)=O	231.838	6	79.3	50	180
Y ₂ O ₃	2.87	2.21	O=[Y]O[Y]=O	225.81	3	78.74	38	1223
ZnO	3.45	3.32	O=[Zn]	81.389	2	80.34	71	189
ZrO ₂	2.15	2.02	O=[Zr]=O	123.223	4	74.03	47	661