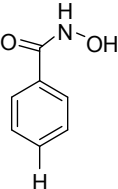
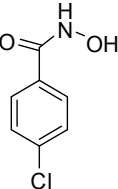
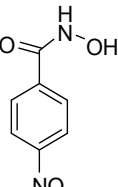
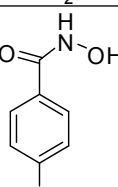
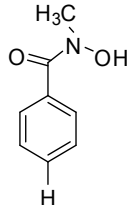
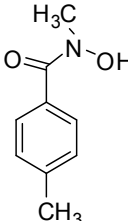
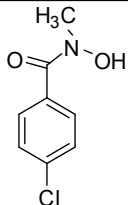
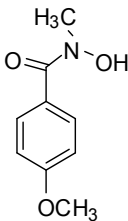
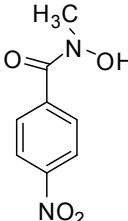
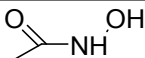
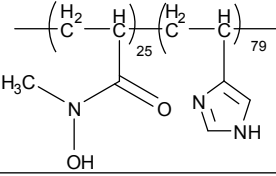
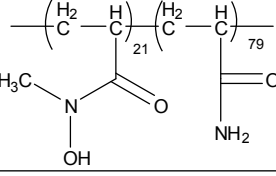
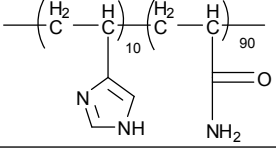
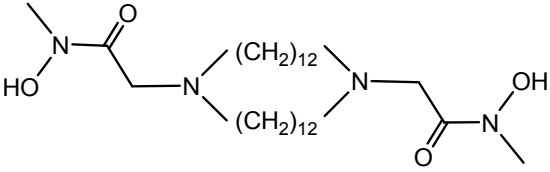
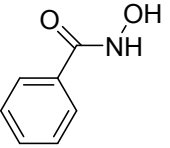
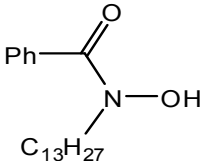
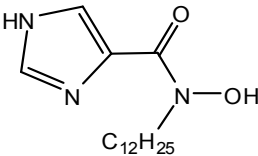
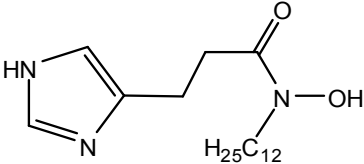
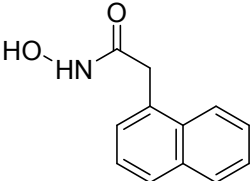


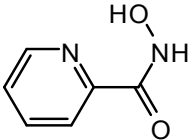
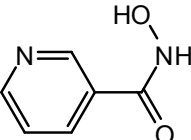
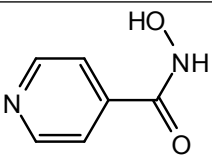
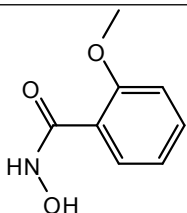
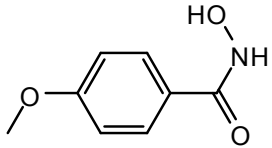
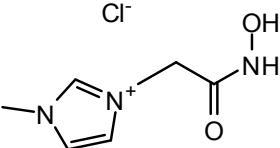
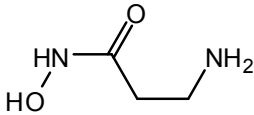
Table S1. Chemical structures and pK_a of some hydroxamic acids

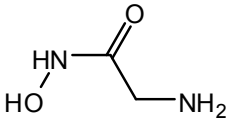
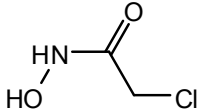
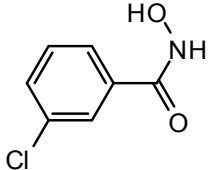
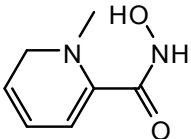
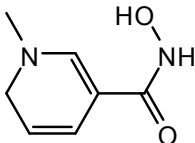
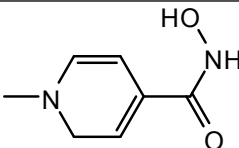
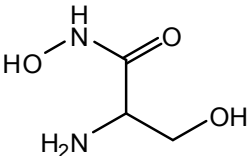
No	Hydroxamic Acid	Structure	pK_a	References
1.	<i>N</i> -phenylbenzohydroxamic acid	$\begin{array}{c} \text{C}_6\text{H}_5-\text{N}-\text{OH} \\ \\ \text{C}_6\text{H}_5-\text{C}=\text{O} \end{array}$	8.8	K. K. Ghosh and P. Tamrakar, <i>Indian J. Chem. A</i> , 2003, 42, 1081-1085.
2.	<i>N</i> -hydroxybenzamide		8.81	(a) K. K. Ghosh, P. Tamrakar, S. K. Rajput, <i>J. Org. Chem.</i> , 1999, 64, 3053-3059. (b) K. K. Ghosh and P. Tamrakar, <i>Indian J. Chem.</i> , 2001, 40A, 524-527.
3.	4-chloro- <i>N</i> -hydroxybenzamide		8.58	
4.	<i>N</i> -hydroxy-4-nitrobenzamide		7.92	
5.	<i>N</i> -hydroxy-4-methoxybenzamide		8.97	

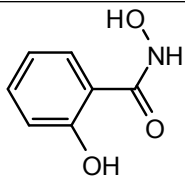
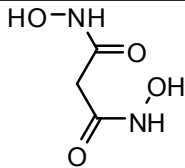
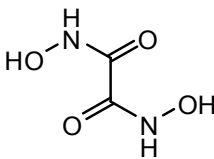
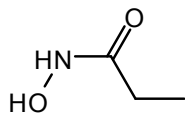
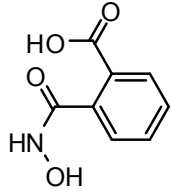
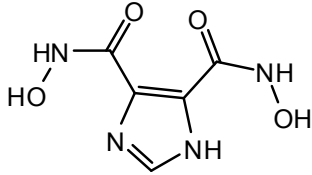
6.	<i>N</i> -hydroxy- <i>N</i> -methylbenzamide		8.28	
7.	<i>N</i> -hydroxy- <i>N</i> ,4-dimethylbenzamide		8.40	
8.	4-chloro- <i>N</i> -hydroxy- <i>N</i> -methylbenzamide		8.50	
9.	<i>N</i> -hydroxy-4-methoxy- <i>N</i> -methylbenzamide		8.67	
10.	<i>N</i> -hydroxy- <i>N</i> -methyl-4-nitrobenzamide		7.94	
11.	Acetohydroxamic Acid		9.37	(a) P. D. Bonnitcha, B. J. Kim, R. K. Hocking, J. K. Clegg, P. Turner, S. M. Neville and

			9.36	T.W. Hambley, <i>Dalton Trans.</i> , 2012, 41, 11293-11304. (b) Y. S. Simanenko, T. M. Prokopeva, A. F. Popov, C.A. Bunton, E.A. Karpichev, V.A. Savelova and K. K. Ghosh, <i>Russ. J. Org. Chem.</i> 2004, 40, 1337-1350.
12.	Copoly(N-methylacrylohydroxamic acid 4-vinylimidazole) [MHA-VIm]		10.5	T. Kunitake and Y. Okahata, <i>J. Am. Chem. Soc.</i> , 1976, 11, 871-877.
13.	Copoly(N-methylacrylohydroxamic acid acrylamide) [MHA-AAm]		10.2	
14.	Copoly(4-vinylimidazoleacrylamide) [VIm-AAm]		5.95	
15.			6.8	R. Hershfield, M. L. Bender, <i>J. Am. Chem. Soc.</i> 1972, 94, 1376-1377.
16.	Benzohydroxamic acid		8.8	P. D. Bonnitcha, B. J. Kim, R.K. Hocking, J. K. Clegg, P. Turner, S. M. Neville, T.W. Hambley, <i>Dalton Trans.</i> , 2012, 41, 11293-11304.

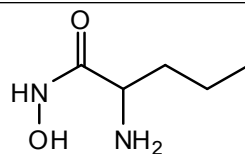
17.	<i>N</i> -hydroxy- <i>N</i> -tridecylbenzamide		8.41	(a) T. Kunitake, Y. Okahata, S. Tanamachi, R. Ando, <i>Bull. Chem. Soc. Jpn.</i> , 1979, 52, 1967-1971. (b) T. Kunitake, Y. Okahata and T. Sakamoto <i>J Am. Chem. Soc.</i> , 1976, 98, 7799-7806.
18.	<i>N</i> -dodecyl- <i>N</i> -hydroxy-1 <i>H</i> -imidazole-4-carboxamide		9.04	T. Kunitake, Y. Okahata and T. Sakamoto <i>J Am. Chem. Soc.</i> , 1976, 98, 7799-7806
19.			9.38	T. Kunitake, Y. Okahata and T. Sakamoto <i>J Am. Chem. Soc.</i> , 1976, 98, 7799-7806.
20.	NHA 1-naphthylacetohydroxamic acid		9.10	P. D. Bonnitcha, B. J. Kim, R.K. Hocking, J. K. Clegg, P. Turner, S.M. Neville, T.W. Hambley, <i>Dalton Trans.</i> , 2012, 41, 11293-11304.
21.	[Co(bha)tren](ClO ₄) ₂	Tren= tris-(2-aminoethyl)amine	8.5	
22.	[Co(aha)tren](ClO ₄) ₂	Tren= tris-(2-aminoethyl)amine	7.7	
23.	[Co(nha-H)tren]ClO ₄	Tren= tris-(2-aminoethyl)amine	7.8	
24.	[Co(bha)tpa](ClO ₄) ₂	Tpa= tris-(2-pyridylmethyl)amine	7.0	
25.	[Co(aha)tpa](ClO ₄) ₂	Tpa= tris-(2-pyridylmethyl)amine	5.3	
26.	[Co(nha)tpa](ClO ₄) ₂	Tpa= tris-(2-pyridylmethyl)amine	6.2	

27.	2-Pyridinehydroxamic acid		8.39	Y. S. Simanenko, T. M. Prokopeva, A. F. Popov, C.A. Bunton, E.A. Karpichev, V.A. Savelova, K. K. Ghosh, <i>Russ. J. Org. Chem.</i> 2004, 40, 1337-1350.
28.	3-Pyridinehydroxamic acid		8.09	
29.	4-Pyridinehydroxamic acid		7.67	
30.	2-methoxybezohydroxamic acid		8.5	
31.	4-methoxybezohydroxamic acid		9.1	
32.	1-methyl-3-(2-hydroxy-amino-2-oxoethyl)imidazolium chloride		7.88	
33.	3-Aminopropionohydroxamic acid		8.43 ^c 9.88 ^a	

34.	Aminoacetohydroxamic acid		7.05 ^c 9.32 ^a
35.	chloroacetohydroxamic acid		8.4
36.	3-chlorobenzohydroxamic acid		8.3
37.	1-Methylpyridine-2-carbohydroxamide		5.73
38.	1-Methylpyridine-3-carbohydroxamide		6.62
39.	1-Methylpyridine-4-carbohydroxamide		6.14
40.	2-Amino-3-hydroxy-propionohydroxamic acid		6.75 ^c 8.99 ^a

41.	<i>o</i> -Hydroxybenzohydroxamic acid		9.57
42.	Malonodihydroxamic acid		8.14 ^a 9.63 ^b
43.	Oxalodihydroxamic acid		6.70 ^a 8.50 ^b
44.	Propionhydroxamic acid		9.36
45.	s		9.10
46.	Imidazole-4,5-dicarbo-hydroxamic acid		8.8 ^b 10.8 ^d

47. 2-Aminopentano hydroxamic acid



7.51 ^c

9.53 ^a

Notes: ^a – monoanion; ^b – dianion; ^c – zwitterion; ^d - trianion