

Table S1: Names and abbreviations used for the amine moieties

<i>meam</i>	methylamine	NH_2CH_3	CH_5N
<i>dma</i>	dimethylamine	$(\text{CH}_3)_2\text{NH}$	$\text{C}_2\text{H}_7\text{N}$
<i>en</i>	1,2-diaminoethane	$\text{H}_2\text{N}(\text{CH}_2)_2\text{NH}_2$	$\text{C}_2\text{H}_8\text{N}_2$
<i>dap</i>	1,3-diaminopropane	$\text{H}_2\text{N}(\text{CH}_2)_3\text{NH}_2$	$\text{C}_3\text{H}_{10}\text{N}_2$
<i>dab</i>	1,4-diaminobutane	$\text{H}_2\text{N}(\text{CH}_2)_4\text{NH}_2$	$\text{C}_4\text{H}_{12}\text{N}_2$
<i>dado</i>	1,12-diaminododecane	$\text{H}_2\text{N}(\text{CH}_2)_{12}\text{NH}_2$	$\text{C}_{12}\text{H}_{28}\text{N}_2$
<i>dien</i>	bis-(2-aminoethyl)amine	$(\text{NH}_2(\text{CH}_2)_2)_2\text{NH}$	$\text{C}_4\text{H}_{13}\text{N}_3$
<i>dach</i>	cyclohexane-1,2-diamine	$((\text{NH}_2)\text{CH}(\text{C}_2\text{H}_4))_2$	$\text{C}_6\text{H}_{14}\text{N}_2$
<i>dabco</i>	diaminobicyclo-octane	$\text{N}(\text{C}_2\text{H}_4)_3\text{N}$	$\text{C}_6\text{H}_{12}\text{N}_2$
<i>me₃adam</i>	3,5,7-trimethyl-adamantane		$\text{C}_{13}\text{H}_{21}$
<i>dipa</i>	2,2'-dipyridylamine		$\text{C}_{10}\text{H}_9\text{N}_3$
<i>col</i>	2,4,6-trimethylpyridine = collidine	$\text{CH}_3(\text{C}_5\text{H}_2\text{N})(\text{CH}_3)_2$	$\text{C}_8\text{H}_{11}\text{N}$
<i>gua</i>	guanidine	$(\text{NH}_2)_2\text{C}(\text{NH})$	CH_5N_3
<i>amgua</i>	aminoguanidine	$(\text{NH}_2)_2\text{CN}(\text{NH}_2)$	CH_6N_4
<i>guan</i>	guanine		$\text{C}_5\text{H}_5\text{N}_5\text{O}$
<i>guaz</i>	3,5-diamino-1,2,4-triazole (guanazole)	$\text{H}_2\text{N}(\text{C}_2\text{HN}_3)\text{NH}_2$	$\text{C}_2\text{H}_5\text{N}_5$
<i>3-amtriaz</i>	3-amino-1,2,4-triazole		$\text{C}_2\text{H}_4\text{N}_4$
<i>4-amtriaz</i>	4-amino-1,2,4-triazole		$\text{C}_2\text{H}_4\text{N}_4$
<i>im</i>	imidazole		$\text{C}_3\text{H}_4\text{N}_2$
<i>phenetam</i>	1-phenylethylamine	$(\text{C}_6\text{H}_5)(\text{CH}_2)_2\text{NH}_2$	$\text{C}_8\text{H}_{11}\text{N}$
<i>pipz</i>	piperazine	$\text{NH}(\text{C}_2\text{H}_4)_2\text{NH}$	$\text{C}_4\text{H}_{10}\text{N}_2$
<i>hpipz</i>	homopiperazine	$(\text{CH}_2)(\text{CH}_2(\text{NH})\text{CH}_2)_2$	$\text{C}_5\text{H}_{12}\text{N}_2$
<i>mepipz</i>	2-methylpiperazine	$\text{NH}((\text{C}_2\text{H}_4)(\text{CH}_3\text{CHCH}_2))\text{NH}$	$\text{C}_5\text{H}_{12}\text{N}_2$
<i>me₂pipz</i>	1,4-dimethylpiperazine	$((\text{CH}_3)\text{CH}(\text{CH}_2)\text{NH})_2$	$\text{C}_6\text{H}_{14}\text{N}_2$
<i>py</i>	pyridine	$\text{CH}(\text{C}_2\text{H}_2)_2\text{N}$	$\text{C}_5\text{H}_5\text{N}$
<i>bipy</i>	4,4'-bipyridine	$(\text{C}(\text{C}_2\text{H}_2)_2\text{N})_2$	$\text{C}_{10}\text{H}_8\text{N}_2$
<i>dpe</i>	trans-1,2-bis(4-pyridinio)ethylene	$(\text{CH}_2\text{C}(\text{C}_2\text{H}_2)_2\text{N})_2$	$\text{C}_{12}\text{H}_{12}\text{N}_2$
<i>teta</i>	triethylenetetramine	$(\text{CH}_2(\text{NH}_2)(\text{CH}_2)_2\text{NH}_2)_2$	$\text{C}_6\text{H}_{20}\text{N}_4$
<i>tetra</i>	pentaerythrityltetramine	$\text{C}(\text{CH}_2\text{NH}_2)_4$	$\text{C}_5\text{H}_{16}\text{N}_4$
<i>tren</i>	tris-(2-aminoethyl)amine	$\text{N}((\text{CH}_2)_2\text{NH}_2)_3$	$\text{C}_6\text{H}_{18}\text{N}_4$
<i>triaz</i>	1,2,4-triazole		$\text{C}_2\text{H}_3\text{N}_3$
<i>5-amtetraz</i>	5-amino-tetrazole		CH_3N_5
<i>pyraz</i>	pyrazole		$\text{C}_3\text{H}_4\text{N}_2$
<i>3-mebea</i>	3-methylbenzylamine	$\text{C}_6\text{H}_4(\text{CH}_3)\text{CH}_2\text{NH}_2$	$\text{C}_8\text{H}_{11}\text{N}$
<i>4-clbea</i>	4-chlorobenzylamine	$\text{C}_6\text{H}_4\text{ClCH}_2\text{NH}_2$	$\text{C}_7\text{H}_8\text{NCl}$
<i>tacid</i>	1,4,8,11-tetra-azacyclotetradecane		$\text{C}_{10}\text{H}_{24}\text{N}_4$
<i>me₄tacid</i>	1,4,8,11-tetramethyl-1,4,8,11-tetra-azacyclotetradecane		$\text{C}_{14}\text{H}_{32}\text{N}_4$

<i>me</i>	methyl		CH_3-
<i>et</i>	ethyl		C_2H_5-
<i>ph</i>	phenyl		C_6H_5-
<i>be</i>	benzyl		$\text{C}_6\text{H}_5\text{CH}_2-$