1,8-Bis(dimethylamino)naphthalene 2,7-Diolate: The Simplest Arylamine Nitrogen Base with Hydride-Ion-Comparable Proton Affinity**

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Table S1. Total energies (in a.u.) of structures 1-13 calculated in the gas phase and in solution (DMSO)\textsuperscript{[a]}.

<table>
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<th>Structure</th>
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<th>B3LYP/6-311++G**</th>
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\textsuperscript{[a]} Single point IEFPCM calculations; results of calculations with full geometry optimization in the presence of solvent see in brackets.
**Figure S1.** Gas phase calculated geometries of molecules 1 and 2 and their protonated forms (bond lengths in angstroms, angles in degrees).
Figure S2. Gas phase calculated geometries of structures 10-12 (bond lengths in angstroms, angles in degrees).
Figure S3. Gas phase calculated geometries of ions 13 and 13H⁺ (bond lengths in angstroms, angles in degrees).
Figure S4. Solution geometries of 1, 4 and 6 (bond lengths in angstroms, angles in degrees).
Figure S5. Solution geometries of structures 5, 7-9 (bond lengths in angstroms, angles in degrees).
Figure S6. Solution geometries of structures 10-12 (bond lengths in angstroms, angles in degrees).