

Constraining the coordination geometries of lanthanide centers and magnetic building blocks in frameworks: a new strategy for molecular nanomagnets

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Table S1 The structures and abbreviations of the ligands in this review

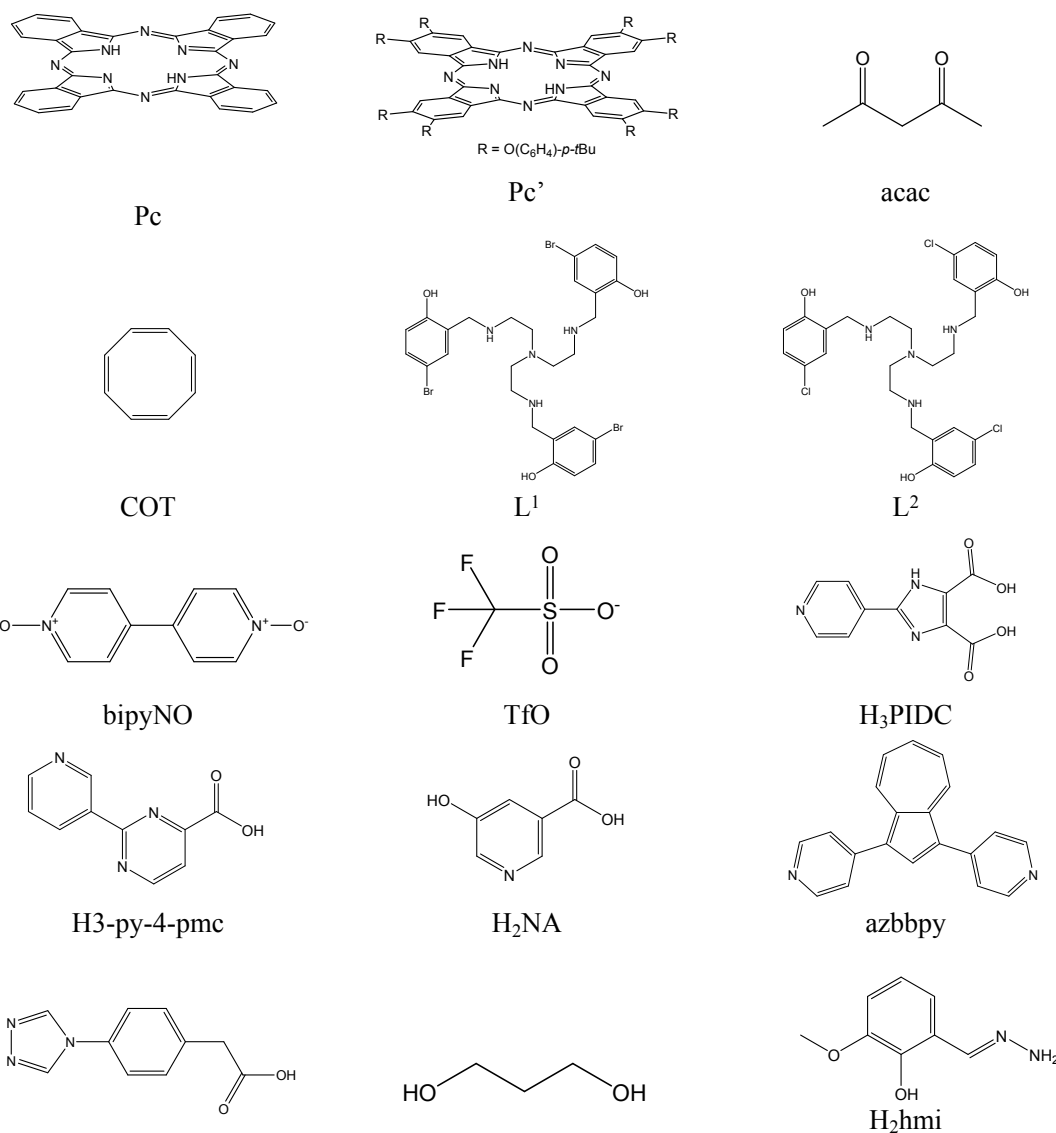
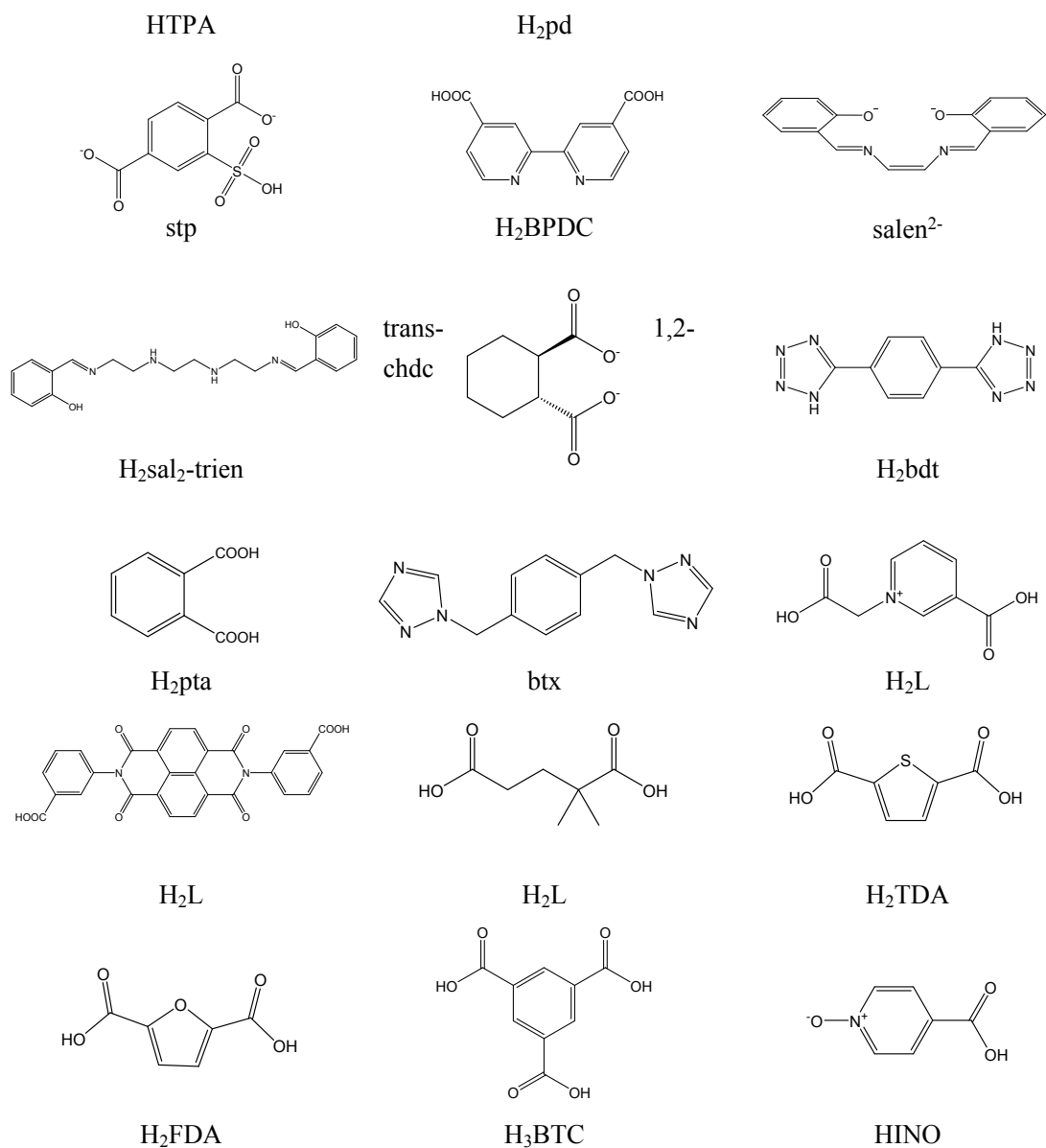


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Pc ²¹ = phthalocyanine

Pc' ⁶ = octa(tert-butylphenoxy)-phthalocyanine

acac ²² = acetylacetonate

COT ² = cyclooctatetraene

L¹ ²⁴ = 2,2',2''-(((nitriлотris(ethane-2,1-diyl))tris(azanediyl))tris(methylene))tris(4-bromophenol)

L² ²⁵ = 2,2',2''-(((nitriлотris(ethane-2,1-diyl))tris(azanediyl))tris(methylene))tris(4-chlorophenol)

bipyNO ²⁹ = 4,4'-bipyridyl-N,N'-dioxide

TfO ²⁹ = triflate

H₃PIDC ³⁰ = 2-(Pyridin-4-yl)-1H-imidazole-4,5-dicarboxylic acid

H3-py-4-pmc ³¹ = 2-(3-pyridyl)pyrimidine-4-carboxylic acid

H₂NA ²⁸ = 5-hydroxynicotinic acid

Azbbpy ³² = 1,3-bis(4-pyridyl)azulene

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HTPA ³³ = 4-(1,2,4-triazol-4-yl)-phenylacetic acid
H₂pd ³⁴ = 1,3-propanediol
H₂hmi ³⁵ = (2-hydroxy-3-methoxyphenyl)methylene(isonicotino)hydrazine
stp ³⁶ = m₅-2-sulfoterephthalate
H₂BPDC ³⁷ = 4,4'-dicarboxylate-2, 2'-dipyridine
salen²⁻ ⁴⁰ = N,N'-ethylene-bis-(salicylideneiminato)
H₂sal₂-trien ⁴⁰ = N,N'-disalicylidene-triethylenetetramine
trans-1,2-chdc ⁴¹ = trans-1,2-cyclohexanedicarboxylate
H₂bdt ⁴² = 5,5'-(1,4-phenylene)bis(1H-tetrazole)
H₂pta ⁴³ = phthalic acid
btx ⁴³ = 1,4-bis(1,2,4-triazole-1-ylmethyl)benzene
H₂L ⁴⁴ = 1-carboxymethylpyridinium-3-carboxylate acid
H₂L⁴⁵ = 3,3'-(1,3,6,8-tetraoxobenzol[*lmn*][3,8]-phenanthroline-2,7(1H,3H,6H,8H)diyl)-di-benzoic acid
H₂L ⁴⁶ = 2,2-dimethylglutaric acid
H₂TDA ⁴⁷ = thiophene-2,5-dicarboxylic acid
H₂FDA ⁴⁹ = furan-2,5-dicarboxylic acid
H₃BTC ⁵⁰ = 1,3,5-benzenetricarboxylate acid
HINO ⁴⁸ = isonicotinic acid N-oxide
