Table S.1. Absolute energies (in atomic units) for structures studied in this paper.

	Structure	B3LYP 6-311G(d)	B3LYP 6-311+G(3df,2p)	MP2 6-311+G(3df,2p)	QCISD(T) 6-311G(d,p)	MP4SDTQ 6-311G(2df,p)	G2(0K)
C1	$TiCl_4$	-2690.635236	-2690.670157	-2687.614666	-2687.409846	-2687.736923	-2687.780259
C2	$TiCl_4 \cdot NH_3$	-2747.234268	-2747.276706	-2744.093926			
C3	*cis*-$TiCl_4 \cdot (NH_3)_2$	-2803.831339					
C4	*trans*-$TiCl_4 \cdot (NH_3)_2$	-2803.827467					
TS5	$TiCl_3NH_2NH_3HCl$	-2803.782827					
C6	$TiCl_3NH_2 \cdot NH_3$	-2342.946960					
TS7	$TiCl_3NH_2HCl$	-2747.169119	-2747.216297	-2744.024324			
C8	$TiCl_3NH_2 \cdot HCl$	-2747.182866	-2747.231873	-2744.040529			
C9	$TiCl_3NH_2$	-2286.352391	-2286.390889	-2283.736439	-2283.554831	-2283.833956	-2283.878216
TS10	$TiCl_2NHHCl$	-2286.258901	-2286.305074	-2283.673370	-2283.479859	-2283.782478	-2283.807007
C11	$TiCl_2NH \cdot HCl$	-2286.259458	-2286.305414	-2283.674291	-2283.481130	-2283.781238	-2283.807586
C12	$TiCl_2NH$	-1825.412424	-1825.445557	-1823.348539	-1823.196108	-1823.432821	-1823.442604
C13	$Ti(NH_2)_4$	-1073.463640	-1073.527735	-1072.076721	-1071.955106	-1072.112396	-1072.138530
C14	$Ti(NH_2)_4 \cdot NH_3$	-1130.045694	-1130.121317	-1128.544615			
TS15	$Ti(NH_2)_4NH_3$	-1130.016387	-1130.090039	-1128.513086			
TS16	$Ti(NH_2)_2NH(NH_3)_2$	-1129.990697					
C17	$Ti(NH_2)_2NH \cdot (NH_3)_2$	-1130.028543					
TS18	$Ti(NH_2)_2NHNH_3$	-1073.402380	-1073.468204	-1072.025585	-1071.900284	-1072.070741	-1072.085110
C19	$Ti(NH_2)_2NH \cdot NH_3$	-1073.438837	-1073.503536	-1072.071177	-1071.941207	-1072.125863	-1072.118500
C20	$Ti(NH_2)_2NH$	-1016.812799	-1016.869534	-1015.567598	-1015.452685	-1015.609718	-1015.607121
TS21	$Ti(NH)_2NH_3$	-1016.738057	-1016.794184	-1015.498886	-1015.381108	-1015.549798	-1015.536343
C22	$Ti(NH)_2 \cdot NH_3$	-1016.766141	-1016.823161	-1015.531608	-1015.408275	-1015.585702	-1015.559413
C23	$Ti(NH)_2$	-960.138697	-960.187290	-959.028543	-958.921727	-959.077345	-959.047067
TS24	$Ti(NH_2)NNH_3$	-1016.732283	-1016.786206	-1015.503421	-1015.378094	-1015.549903	-1015.528502
C25	$Ti(NH_2)N \cdot NH_3$	-1016.760551	-1016.813582	-1015.538087	-1015.405524	-1015.578069	-1015.551019
C26	$Ti(NH_2)N$	-960.136087	-960.180232	-959.034459	-958.920941	-959.059763	-959.044702

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Table S.2. Optimized geometries for structures in this paper.

C1 $TiCl_4$

Ti	0.000000	0.000000	0.000000
Cl	1.254454	1.254454	1.254454
Cl	-1.254454	-1.254454	1.254454
Cl	-1.254454	1.254454	-1.254454
Cl	1.254454	-1.254454	-1.254454

C2 $TiCl_4 \cdot NH_3$

Ti	-0.024744	-0.000033	-0.003599
Cl	-0.033584	-0.000029	2.218561
N	2.255627	0.000003	0.328220
H	2.760888	-0.000117	-0.554036
H	2.557342	0.819097	0.849493
H	2.557383	-0.818893	0.849778
Cl	0.443748	1.906032	-1.046109
Cl	0.443688	-1.905990	-1.046289
Cl	-2.213890	0.000024	-0.324022

C3 *cis*-$TiCl_4 \cdot (NH_3)_2$

Ti	-0.152405	-0.000157	-0.153785
N	-0.123204	0.031320	2.140854
N	2.142189	-0.031115	-0.120005
H	2.574206	-0.104274	0.796652
H	2.502713	0.813094	-0.556522
H	2.464876	-0.829053	-0.660644
H	0.792592	0.105107	2.574594
H	-0.664942	0.829024	2.462288
H	-0.559972	-0.813037	2.500721
Cl	0.230889	2.254428	0.192010
Cl	0.193183	-2.254541	0.230822
Cl	0.063284	-0.016777	-2.378495
Cl	-2.377556	0.015982	0.057362

C4 *trans*-$TiCl_4 \cdot (NH_3)_2$

Ti	0.028123	0.000062	0.034474
Cl	0.253783	0.003606	2.321885
Cl	2.317959	0.001545	-0.177844
Cl	-0.186400	0.002599	-2.257551
Cl	-2.261574	-0.007732	0.261978
N	-0.010756	-2.212399	-0.012868
H	-0.150854	-2.598102	0.917620
H	-0.767492	-2.541882	-0.606364
H	0.861157	-2.585385	-0.379830
N	-0.014651	2.212378	-0.016911
H	-0.794545	2.539930	-0.580774
H	0.841733	2.583303	-0.420691
H	-0.116483	2.602077	0.916879

TS5 $TiCl_3NH_2NH_3HCl$

Ti	0.569547	-0.000004	0.013918
Cl	0.315842	2.241248	0.243145
Cl	-3.249328	-0.000020	-0.310716
Cl	0.315864	-2.241248	0.243150
Cl	2.734395	0.000002	-0.387936
N	-0.618559	0.000028	-1.550803
H	-0.612546	0.829671	-2.139153
H	-0.612549	-0.829596	-2.139182
H	-1.918038	0.000012	-1.005412
N	-0.627499	0.000013	1.863004
H	-0.526396	-0.828214	2.443733
H	-1.596595	-0.000135	1.514884
H	-0.526624	0.828372	2.443581

C6 $TiCl_3NH_2 \cdot NH_3$

Ti	0.206042	-0.007237	0.057830
Cl	0.182207	2.291431	-0.460061
Cl	2.466309	-0.090405	0.591743
Cl	-0.030904	-2.327507	-0.278019
N	-1.357450	0.006305	-1.429315
H	-1.939893	0.854282	-1.437860
H	-0.980417	-0.049261	-2.387848
H	-2.015763	-0.782248	-1.372847
N	-0.658512	0.093418	1.600088
H	-0.912420	-0.706576	2.199554
H	-0.835567	0.957947	2.133998

TS7 $TiCl_3NH_2HCl$

Ti	0.000000	0.464676	0.000000
Cl	0.533629	2.574701	0.000000
N	1.771778	-0.464614	0.000000
H	2.357453	-0.339223	0.824428
H	2.357453	-0.339223	-0.824428
Cl	-1.071544	0.079394	-1.833523
Cl	-1.071544	0.079394	1.833523
H	1.405651	-1.613473	0.000000
Cl	0.519871	-3.008705	0.000000

C8 $TiCl_3NH_2 \cdot HCl$

Ti	-0.082335	0.665066	0.000000
Cl	0.500960	2.779379	0.000000
N	1.470271	-0.386875	0.000000
H	2.047402	-0.486104	0.831575
H	2.047402	-0.486104	-0.831575
Cl	-1.160689	0.191475	-1.836869
Cl	-1.160689	0.191475	1.836869
H	1.021407	-2.353385	0.000000
Cl	1.020610	-3.668078	0.000000

C9 $TiCl_3NH_2$

Ti	-0.088170	0.174918	0.000000
Cl	-0.781996	-0.793157	1.842258
Cl	-0.781996	-0.793157	-1.842258
Cl	2.115729	0.300978	0.000000
N	-0.781996	1.880764	0.000000
H	-0.982912	2.418577	-0.836470
H	-0.982912	2.418577	0.836470

TS10 $TiCl_2NHHCl$

Ti	0.184367	0.001563	0.225978
N	-0.206374	0.000836	1.845259
H	-0.232844	0.001736	2.860088
Cl	1.162230	-1.909878	-0.399741
Cl	1.135761	1.924816	-0.404312
H	-2.277608	-0.014937	0.845565
Cl	-2.303932	-0.016528	-0.466181

C11 $TiCl_2NH \cdot HCl$

Ti	0.212890	0.000304	0.271865
N	-0.075595	-0.000108	1.903657
H	-0.066792	-0.000083	2.919029
Cl	1.101514	-1.934465	-0.439109
Cl	1.095900	1.937631	-0.439124
H	-2.722786	-0.004029	0.743732
Cl	-2.277699	-0.003272	-0.472908

C12 $TiCl_2NH$

Ti	0.109696	0.352412	0.000000
Cl	0.109696	-0.673676	1.991405
Cl	0.109696	-0.673676	-1.991405
N	-0.695255	1.789817	0.000000
H	-1.276210	2.623197	0.000000

C13 $Ti(NH_2)_4$

Ti	-0.000970	-0.000209	-0.000942
N	-1.100267	-0.871707	1.286809
N	1.107708	1.293089	0.850246
N	-1.137499	0.845083	-1.273789
N	1.126193	-1.267472	-0.866902
H	1.966970	1.059253	1.334173
H	0.989586	2.297808	0.829527
H	1.031943	-2.274669	-0.844506
H	1.972909	-1.013756	-1.36279
H	-1.994711	1.324862	-1.02439
H	-1.037633	0.824728	-2.280491
H	-1.949053	-1.371745	1.048644
H	-0.987706	-0.848708	2.292113

C14 $Ti(NH_2)_4 \cdot NH_3$

Ti	0.000000	0.000000	0.000000
N	0.000000	0.000000	1.937401
N	2.360979	0.000000	0.446272
H	2.799773	0.153888	-0.454512
H	2.523704	0.825161	1.012224
H	2.818029	-0.788892	0.892952
N	0.261138	1.753794	-0.750518
N	0.589855	-1.422081	-1.176324
N	-1.890589	-0.197259	-0.268299
H	-0.868158	0.085408	2.450408
H	0.741308	-0.257571	2.577249
H	1.446477	-1.961279	-1.149073
H	-0.059985	-1.861422	-1.815765
H	-2.489137	0.495864	-0.696676
H	-2.437169	-1.008999	-0.002559
H	0.426407	1.946589	-1.730929
H	0.146462	2.623662	-0.244689

TS15 $Ti(NH_2)_4NH_3$

Ti	-0.174900	-0.120888	0.000983
N	-0.244429	-1.103434	1.631159
N	2.022893	-0.176303	-0.008098
H	1.700688	1.108307	-0.012940
H	2.531524	-0.477498	0.816123
H	2.522497	-0.488856	-0.833566
N	0.682362	1.887685	-0.009182
N	-0.261798	-1.121461	-1.617654
N	-1.892055	0.731592	0.002327
H	-0.985971	-1.022745	2.314470
H	0.358324	-1.884722	1.858881
H	0.327746	-1.914672	-1.838622
H	-1.001976	-1.034459	-2.301725
H	-2.106842	1.719167	0.007108
H	-2.754178	0.193771	-0.002351
H	0.547892	2.465711	-0.832213
H	0.559283	2.468978	0.813363

TS16 $Ti(NH_2)_2NH(NH_3)_2$

Ti	-0.036320	-0.071711	-0.014990
N	0.175247	-1.364126	-1.742571
N	1.588343	-0.690980	0.880104
N	-1.708074	-0.612101	0.766752
N	-0.227834	1.079630	-1.379481
H	2.449756	-0.183952	1.050172
H	1.810186	-1.682418	0.878729
H	0.043483	-0.050895	-2.011042
H	-0.093119	1.949890	-1.877799
H	-1.793448	-1.305171	1.503302
H	-2.634250	-0.331128	0.469887
H	-0.607972	-1.940547	-2.027717
H	1.044292	-1.845374	-1.937712
N	0.175516	1.724998	1.394197
H	-0.723437	2.192402	1.428489
H	0.413999	1.410359	2.328581
H	0.867157	2.402525	1.091896

C17 $Ti(NH_2)_2NH\cdot(NH_3)_2$

Ti	0.015628	0.054512	0.001098
N	2.137737	-0.734362	0.247682
N	-0.404399	-0.682730	1.799706
N	0.000883	-0.725722	-1.828104
N	0.483481	1.687218	0.034001
H	-0.351026	-0.154017	2.662011
H	-0.703960	-1.624965	2.031616
H	2.507400	-0.362607	1.115369
H	0.762759	2.661932	0.053683
H	-0.242480	-1.673946	-2.098242
H	0.244983	-0.217317	-2.669469
H	2.691399	-0.380662	-0.524388
H	2.231383	-1.744634	0.269294
N	-2.199602	0.518447	-0.252019
H	-2.489957	1.083011	0.538361
H	-2.307103	1.061242	-1.101466
H	-2.813903	-0.287261	-0.309800

TS18 $Ti(NH_2)_2NHNH_3$

Ti	0.163271	0.000014	0.057888
N	-1.601976	-0.000222	-1.068601
N	1.116498	1.640483	-0.164466
N	1.117058	-1.640128	-0.164510
N	-0.966318	-0.000149	1.404433
H	1.014435	2.454718	0.428561
H	1.865377	1.812852	-0.827106
H	-1.729884	-0.000219	0.293611
H	-1.456495	-0.000374	2.287353
H	1.866026	-1.812221	-0.827120
H	1.015253	-2.454416	0.428489
H	-1.911657	-0.832076	-1.552627
H	-1.911840	0.831534	-1.552680

C19 $Ti(NH_2)_2NH\cdot NH_3$

Ti	-0.024268	-0.200411	0.083253
N	0.200198	1.913021	-0.518807
N	1.619719	-0.981860	-0.595110
N	-1.775819	-0.668527	-0.610876
N	-0.010694	0.009536	1.761314
H	2.414503	-1.234955	-0.021310
H	1.775027	-1.355360	-1.526546
H	1.045009	2.253978	-0.071826
H	-0.011536	0.069831	2.773390
H	-1.988920	-1.004748	-1.545049
H	-2.610696	-0.766114	-0.046543
H	-0.586375	2.428034	-0.137263
H	0.263050	2.113176	-1.512072

C20 $Ti(NH_2)_2NH$

Ti	-0.010494	0.491756	-0.488883
N	-0.135955	-1.406846	-0.225517
N	-1.366469	1.305249	0.066462
N	1.614990	1.454925	-0.142772
H	-2.155636	1.777122	0.493414
H	1.658469	2.370618	0.286116
H	2.557332	1.078659	-0.179404
H	0.628654	-2.073399	-0.270410
H	-0.941970	-1.878880	0.164210

TS21 $Ti(NH)_2NH_3$

Ti	-0.491079	0.040516	0.084780
N	-0.270228	-0.183585	1.742927
H	0.080959	0.002711	2.677646
N	0.441331	1.356431	-0.671523
H	1.107425	2.112461	-0.566261
N	0.767157	-1.163544	-1.094300
H	0.595668	-1.469629	-2.043880
H	1.459328	-1.758914	-0.660664
H	0.992538	0.156894	-1.111721

C22 $Ti(NH)_2 \cdot NH_3$

Ti	-0.479912	0.108150	0.052051
N	-0.044531	-0.271387	1.668069
H	0.425512	-0.083473	2.549633
N	0.124855	1.579287	-0.592200
H	0.656582	2.443930	-0.536775
N	0.800802	-1.339122	-1.034640
H	0.878980	-1.269731	-2.043843
H	0.781477	-2.316452	-0.762876
H	1.647639	-0.935004	-0.639865

C23 $Ti(NH)_2$

Ti	0.000000	0.000000	0.430921
N	0.000000	1.433897	-0.482255
H	0.000000	1.938595	-1.364344
N	0.000000	-1.433897	-0.482255
H	0.000000	-1.938595	-1.364344

TS24 $Ti(NH_2)NNH_3$

Ti	-0.054323	0.119890	0.440367
N	-1.076888	-1.081404	0.047350
N	-0.560520	1.722107	-0.489928
H	-1.353288	1.792988	-1.114348
H	-0.043331	2.595450	-0.529243
N	1.446730	-1.063632	-0.431133
H	1.812685	-1.958431	-0.134805
H	1.979146	-0.727256	-1.223381
H	0.134635	-1.379837	-0.570318

C25 $Ti(NH_2)N \cdot NH_3$

Ti	-0.061458	0.120332	0.502474
N	-1.211607	-0.960241	0.502023
N	-0.523841	1.595378	-0.697076
H	-1.394274	1.654464	-1.210127
H	0.024887	2.420955	-0.921012
N	1.447734	-1.053459	-0.673843
H	1.473486	-2.030940	-0.403750
H	2.385905	-0.754398	-0.921467
H	0.876065	-1.009123	-1.515796

C26 $Ti(NH_2)N$

Ti	-0.273100	-0.393086	-0.000001
N	-1.276793	0.799237	0.000004
N	1.538632	0.287419	-0.000006
H	1.763664	1.273725	-0.000006
H	2.411651	-0.232439	0.000041

Table S.3. Harmonic vibrational frequencies for structures in this paper.

	Structure	Vibrational Frequencies (cm^{-1})					
C1	$TiCl_4$	119.1	119.1	143.0	143.0	143.0	389.2
		501.4	501.4	501.4			
C2	$TiCl_4 \cdot NH_3$	75.2	75.5	156.4	156.7	190.6	190.9
		193.6	194.7	290.3	370.4	441.4	450.8
		451.1	682.5	682.9	1328.5	1719.5	1719.7
		3470.8	3578.2	3578.3			
C3	*cis*-$TiCl_4 \cdot (NH_3)_2$	72.9	89.4	92.4	115.1	119.0	158.8
		172.7	187.7	193.7	215.7	226.7	270.9
		300.5	360.1	370.2	414.3	416.1	613.4
		679.1	684.8	721.5	1311.9	1330.2	1711.5
		1712.3	1721.7	1723.8	3473.8	3474.8	3580.9
		3582.1	3582.5	3583.2			
C4	*trans*-$TiCl_4 \cdot (NH_3)_2$	14.2	20.2	29.7	114.5	121.9	166.3
		171.3	173.0	175.6	176.1	196.2	267.5
		324.1	370.6	371.1	382.0	428.4	676.3
		682.7	708.0	713.9	1317.4	1321.5	1707.8
		1710.2	1716.0	1716.3	3472.1	3472.9	3577.8
		3578.0	3580.7	3580.8			
TS5	$TiCl_3NH_2NH_3HCl$	598.0i	44.8	48.6	85.8	133.5	160.8
		163.5	181.0	190.1	225.9	262.2	308.7
		392.0	411.5	468.8	476.8	483.3	732.9
		743.4	750.9	778.0	795.1	1223.1	1239.3
		1377.2	1600.4	1700.1	1716.3	3320.7	3493.2
		3514.9	3581.3	3583.0			
C6	$TiCl_3NH_2 \cdot NH_3$	23.1	47.3	144.6	151.2	158.6	193.2
		198.9	257.1	283.2	317.4	367.8	391.3
		432.6	542.8	605.3	639.4	721.4	755.3
		1322.5	1561.7	1712.5	1718.0	3471.2	3523.6
		3569.9	3587.6	3627.6			
TS7	$TiCl_3NH_2HCl$	426.0i	49.1	67.6	112.7	119.6	138.6
		143.9	168.3	310.6	410.3	477.3	497.8
		512.7	697.4	736.7	877.5	1357.0	1473.2
		1609.4	3474.4	3554.7			

C8	$TiCl_3NH_2 \cdot HCl$	14.6	32.3	84.0	116.6	118.0	142.7
		159.0	199.3	263.6	400.9	420.4	480.8
		493.6	599.0	642.6	684.4	714.8	1579.2
		2548.3	3490.8	3583.6			
C9	$TiCl_3NH_2$	32.9	112.6	143.0	144.8	175.8	178.3
		395.7	465.4	467.6	517.5	583.2	755.6
		1568.9	3517.9	3617.4			
TS10	$TiCl_2NHHCl$	226.0i	58.2	85.4	130.6	185.6	225.1
		267.8	272.4	405.7	447.9	485.1	630.2
		1026.1	2650.6	3575.0			
C11	$TiCl_2NH \cdot HCl$	63.3	74.9	121.6	129.7	162.9	198.5
		223.2	365.5	408.7	444.0	478.6	625.1
		1040.2	2839.4	3571.2			
C12	$TiCl_2NH$	56.9	129.4	193.7	384.8	437.5	492.1
		610.8	1055.4	3571.5			
C13	$Ti(NH_2)_4$	125.2	125.3	158.5	163.0	193.4	232.3
		232.3	363.4	389.5	426.7	433.3	433.3
		461.6	520.8	520.8	549.8	559.4	648.3
		730.2	731.1	731.2	1588.8	1590.3	1590.3
		1595.6	3528.1	3528.2	3528.7	3530.6	3624.8
		3625.1	3625.1	3625.3			
C14	$Ti(NH_2)_4 \cdot NH_3$	78.7	94.8	116.4	175.4	188.9	204.2
		206.5	229.6	234.9	250.1	359.3	376.4
		406.6	422.1	432.4	446.8	454.5	512.5
		521.8	537.2	548.0	586.0	615.9	628.6
		691.9	715.4	719.4	1185.5	1587.1	1589.8
		1597.7	1602.3	1722.5	1729.7	3484.4	3521.7
		3524.1	3526.7	3527.4	3601.7	3616.3	3619.6
		3619.8	3620.4	3627.3			
TS15	$Ti(NH_2)_4NH_3$	428.1i	24.4	96.9	131.2	169.3	189.8
		213.9	216.8	315.8	363.9	380.7	382.0
		384.9	425.1	471.0	483.0	487.8	509.8
		539.0	552.7	587.4	629.4	652.6	654.8
		662.9	702.4	746.8	762.0	1519.4	1582.2
		1584.4	1588.4	1600.3	1720.2	1739.5	3502.0
		3505.1	3506.1	3532.8	3534.2	3595.3	3600.8
		3626.0	3631.8	3632.0			

TS16	$Ti(NH_2)_2NH(NH_3)_2$	1723.2i	65.7	87.6	117.0	143.8	159.5
		184.7	190.9	214.5	301.8	315.6	349.2
		383.1	425.1	452.9	470.7	496.5	512.0
		539.6	555.3	581.4	608.4	623.1	630.3
		663.1	727.0	888.2	1197.6	1358.3	1577.6
		1600.6	1609.3	1718.4	1720.6	1782.1	3488.3
		3496.1	3513.7	3515.5	3583.9	3589.4	3606.7
		3609.8	3613.4	3618.5			
C17	$Ti(NH_2)_2NH\cdot(NH_3)_2$	79.8	84.0	100.4	120.9	160.5	165.9
		172.5	190.7	211.8	221.3	302.9	305.3
		321.6	330.5	364.8	421.5	465.7	483.2
		496.8	532.5	550.1	571.0	591.8	612.7
		680.3	989.8	1195.7	1201.2	1603.6	1610.2
		1711.8	1712.1	1714.1	1715.4	3483.5	3484.1
		3498.8	3500.0	3567.2	3590.4	3590.8	3601.0
		3601.7	3615.5	3616.3			
TS18	$Ti(NH_2)_2NHNH_3$	1755.9i	95.5	141.9	178.1	180.4	237.7
		265.9	334.5	340.6	406.4	487.9	498.7
		507.4	536.6	557.5	589.9	604.7	618.6
		664.1	742.8	944.3	1321.5	1581.7	1599.0
		1605.9	1853.5	3518.2	3519.7	3545.9	3611.6
		3611.8	3632.5	3647.8			
C19	$Ti(NH_2)_2NH\cdot NH_3$	98.1	121.7	129.6	169.8	184.6	204.2
		322.4	384.4	385.9	403.9	480.8	497.1
		497.4	523.7	554.3	573.5	590.1	653.5
		720.4	1008.6	1247.8	1606.9	1613.5	1709.3
		1720.1	3488.4	3507.3	3508.8	3574.2	3595.5
		3601.0	3601.8	3604.4			
C20	$Ti(NH_2)_2NH$	117.9	186.6	213.3	317.4	400.3	401.6
		489.0	513.1	531.4	541.3	567.0	654.2
		734.3	1029.5	1607.8	1613.8	3513.1	3514.8
		3582.2	3608.0	3608.2			
TS21	$Ti(NH)_2NH_3$	1713.6i	154.5	237.2	277.3	397.9	478.0
		527.0	579.6	611.0	636.2	665.4	705.6
		890.4	1000.0	1403.9	1592.3	1831.4	3541.0
		3543.6	3572.4	3638.2			
C22	$Ti(NH)_2\cdot NH_3$	128.6	142.5	175.0	253.4	397.3	496.9
		550.2	605.0	656.0	656.3	685.2	952.5
		964.9	1261.4	1703.0	1717.7	3475.1	3519.1
		3519.2	3569.6	3600.8			

C23	$Ti(NH)_2$	271.0	514.1	650.1	660.7	706.7	971.2
		988.3	3526.8	3527.0			
TS24	$Ti(NH_2)NNH_3$	1621.7i	101.9	226.7	328.8	355.6	450.0
		501.9	547.7	586.2	593.4	634.2	696.8
		1072.0	1347.1	1597.5	1611.7	1835.8	3506.5
		3542.3	3609.4	3634.3			
C25	$Ti(NH_2)N{\cdot}NH_3$	90.8	116.4	180.2	240.6	381.4	458.4
		532.0	541.9	566.0	606.2	661.4	1123.5
		1268.0	1614.4	1705.1	1723.9	3469.0	3491.8
		3562.3	3594.4	3597.3			
C26	$Ti(NH_2)N$	246.5	451.8	559.4	576.0	677.2	1153.1
		1615.1	3498.3	3603.6			