**Прогнозирование температуры плавления двойных галогенидов**

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**Журнал неорганической химии**

Дополнительные материалы

**Таблица S1.** Оценка температур плавления соединений состава ABHal3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Соединение | Tпл, K, эксп. | Tпл, Kпрогноз | Соединение | Tпл, K, эксп. | Tпл, Kпрогноз |
| *CsBeF3* | 748 [3] | 750 | TlCoBr3 |  | 667 |
| TlBeF3 |  | 711 | KNiBr3 |  | 888 |
| *NaVF3* |  | 1247 | *RbNiBr3* |  | 949 |
| *RbVF3* |  | 1365 | *CsNiBr3* |  | 991 |
| AgVF3 |  | 1125 | TlNiBr3 |  | 881 |
| CsVF3 |  | 1174 | *KCuBr3* |  | 608 |
| TlVF3 |  | 1093 | RbCuBr3 |  | 640 |
| *NaCrF3* |  | 1065 | CsCuBr3 |  | 708 |
| *RbCrF3* |  | 1147 | TlCuBr3 |  | 662 |
| CsCrF3 |  | 1023 | KZnBr3 |  | 669 |
| *TlCrF3* |  | 991 | RbZnBr3 |  | 665 |
| AgFeF3 |  | 941 | TlZnBr3 |  | 656 |
| *KCuF3* |  | 945 | RbSrBr3 |  | 934 |
| *RbCuF3* |  | 912 | TlSrBr3 |  | 836 |
| CsCuF3 |  | 877 | KPdBr3 |  | 629 |
| NaGeF3 |  | 1029 | RbPdBr3 |  | 679 |
| RbGeF3 |  | 950 | CsPdBr3 |  | 712 |
| CsGeF3 |  | 911 | TlPdBr3 |  | 612 |
| TlGeF3 |  | 912 | *KCdBr3* | 619 [6] | 623 |
| *RbPdF3* |  | 947 | *TlCdBr3* | 671 [6] | 671 |
| *TlPdF3* |  | 829 | RbEuBr3 |  | 898 |
| RbEuF3 |  | 1172 | *CsEuBr3* | 1034 [10] | 1033 |
| *CsEuF3* |  | 1146 | TlEuBr3 |  | 859 |
| *RbYbF3* |  | 1231 | KPtBr3 |  | 718 |
| *CsYbF3* |  | 1143 | RbPtBr3 |  | 754 |
| TlYbF3 |  | 1079 | CsPtBr3 |  | 792 |
| *KHgF3* |  | 1058 | TlPtBr3 |  | 642 |
| *RbHgF3* |  | 1060 | *KHgBr3* | 463 [11] | 467 |
| *CsHgF3* |  | 1031 | RbHgBr3 |  | 505 |
| *TlPbF3* |  | 825 | RbBeI3 |  | 580 |
| KBeCl3 |  | 578 | CsBeI3 |  | 597 |
| RbBeCl3 |  | 594 | TlBeI3 |  | 587 |
| *CsBeCl3* | 578 [4] | 577 | RbMgI3 |  | 744 |
| TlBeCl3 |  | 594 | *CsMgI3* |  | 785 |
| *KMgCl3* | 765 [3] | 761 | TlMgI3 |  | 683 |
| *RbMgCl3* | 832 [3] | 827 | *KCaI3* |  | 792 |
| TlMgCl3 |  | 758 | *RbCaI3* |  | 862 |
| *TlCaCl3* | 956 [5] | 956 | *CsCaI3* |  | 958 |
| LiTiCl3 |  | 940 | *TlCaI3* |  | 770 |
| *KTiCl3* | 1035 [6] | 1043 | NaTiI3 |  | 860 |
| TlTiCl3 |  | 948 | TlTiI3 |  | 861 |
| *KCrCl3* | 768 [6] | 769 | KVI3 |  | 1101 |
| TlCrCl3 |  | 805 | *CsVI3* |  | 1194 |
| TlFeCl3 |  | 703 | TlVI3 |  | 936 |
| *KNiCl3* | 917 [6] | 931 | KCrI3 |  | 721 |
| NaCuCl3 |  | 733 | KFeI3 |  | 617 |
| RbCuCl3 |  | 724 | RbFeI3 |  | 689 |
| *CsCuCl3* | 728 [7] | 728 | KNiI3 |  | 874 |
| *TlCuCl3* | 703 [8] | 703 | RbNiI3 |  | 921 |
| *RbYbCl3* |  | 937 | *CsNiI3* |  | 969 |
| *CsYbCl3* |  | 1054 | TlNiI3 |  | 856 |
| TlYbCl3 |  | 890 | KCuI3 |  | 589 |
| CsPtCl3 |  | 834 | RbCuI3 |  | 605 |
| TlPtCl3 |  | 658 | CsCuI3 |  | 677 |
| KHgCl3 |  | 512 | TlCuI3 |  | 623 |
| KPbCl3 |  | 653 | KZnI3 |  | 655 |
| *RbPbCl3* | 713 [3] | 712 | RbZnI3 |  | 589 |
| *TlPbCl3* | 663 [6] | 663 | CsZnI3 |  | 628 |
| KBeBr3 |  | 523 | TlZnI3 |  | 609 |
| RbBeBr3 |  | 568 | *KSrI3* |  | 807 |
| CsBeBr3 |  | 590 | *RbSrI3* |  | 825 |
| TlBeBr3 |  | 576 | *CsSrI3* |  | 973 |
| *KMgBr3* | 664 [3] | 657 | TlSrI3 |  | 769 |
| *RbMgBr3* | 738 [7] | 738 | RbPdI3 |  | 667 |
| TlMgBr3 |  | 700 | CsPdI3 |  | 688 |
| *TlCaBr3* |  | 893 | TlPdI3 |  | 602 |
| KTiBr3 |  | 9843 | *KCdI3* | 496 [6] | 498 |
| TlTiBr3 |  | 917 | KBaI3 |  | 763 |
| *KVBr3* | 1183 [9] | 1186 | RbBaI3 |  | 767 |
| KCrBr3 |  | 722 | CsBaI3 |  | 875 |
| RbCrBr3 |  | 827 | TlBaI3 |  | 751 |
| TlCrBr3 |  | 773 | KHgI3 |  | 470 |
| RbFeBr3 |  | 687 | TlHgI3 |  | 510 |
| *CsFeBr3* |  | 776 | *KPbI3* | 631 [6] | 626 |
| TlFeBr3 |  | 680 | *TlPbI3* | 620 [6] | 626 |
| KCoBr3 |  | 608 |  |  |  |

**Таблица S2.** Оценка температур плавления соединений состава A2BHal4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Соединение | Tпл, K, эксп. | Tпл, Kпрогноз | Соединение | Tпл, K, эксп. | Tпл, Kпрогноз |
| *Tl2BeF4* |  | 853 | K2BeBr4 |  | 650 |
| *Tl2MgF4* |  | 890 | Rb2BeBr4 |  | 799 |
| Rb2TiF4 |  | 1097 | Cs2BeBr4 |  | 860 |
| Cs2TiF4 |  | 1064 | Tl2BeBr4 |  | 630 |
| Rb2VF4 |  | 1070 | *K2FeBr4* | 568 [4] | 567 |
| Li2CrF4 |  | 835 | Rb2FeBr4 |  | 672 |
| *Na2CrF4* |  | 933 | Cs2FeBr4 |  | 800 |
| K2CrF4 |  | 1075 | *Tl2CoBr4* | 591 [12] | 591 |
| Rb2CrF4 |  | 1040 | Cs2NiBr4 |  | 820 |
| Cs2CrF4 |  | 1014 | K2CuBr4 |  | 625 |
| Tl2CrF4 |  | 889 | Rb2CuBr4 |  | 694 |
| *Tl2MnF4* |  | 887 | Cs2CuBr4 |  | 773 |
| Li2FeF4 |  | 826 | *K2PdBr4* |  | 641 |
| Na2FeF4 |  | 908 | Rb2PdBr4 |  | 753 |
| *K2FeF4* |  | 1034 | Cs2PdBr4 |  | 758 |
| *Cs2FeF4* |  | 1002 | Tl2PdBr4 |  | 580 |
| *Tl2FeF4* |  | 872 | *Rb2CdBr4* | 632 [6] | 645 |
| Na2CoF4 |  | 947 | Na2PtBr4 |  | 624 |
| *Tl2CoF4* |  | 870 | Rb2PtBr4 |  | 773 |
| *Cs2NiF4* |  | 1094 | Ag2PtBr4 |  | 582 |
| *Tl2NiF4* |  | 897 | Cs2PtBr4 |  | 811 |
| K2GeF4 |  | 1029 | Tl2PtBr4 |  | 606 |
| Rb2GeF4 |  | 995 | *K2HgBr4* | 480 [11] | 496 |
| Cs2GeF4 |  | 981 | Rb2HgBr4 |  | 599 |
| Tl2GeF4 |  | 849 | Tl2HgBr4 |  | 582 |
| Li2PdF4 |  | 784 | *Rb2PbBr4* | 705 [3] | 710 |
| *Na2PdF4* |  | 905 | K2BeI4 |  | 598 |
| *K2PdF4* |  | 1083 | Rb2BeI4 |  | 733 |
| Rb2PdF4 |  | 1055 | Cs2BeI4 |  | 808 |
| K2HgF4 |  | 919 | Tl2BeI4 |  | 602 |
| *Rb2HgF4* |  | 957 | *Rb2FeI4* |  | 638 |
| *Cs2HgF4* |  | 980 | K2NiI4 |  | 626 |
| *Rb2BeCl4* | 859 [3] | 849 | Rb2NiI4 |  | 692 |
| *Tl2BeCl4* | 731 [5] | 704 | K2CuI4 |  | 579 |
| *K2FeCl4* | 653 [6] | 654 | Rb2CuI4 |  | 643 |
| Cs2NiCl4 |  | 849 | Cs2CuI4 |  | 738 |
| *K2CuCl4* |  | 701 | *Rb2ZnI4* |  | 677 |
| Tl2CuCl4 |  | 643 | *Cs2ZnI4* |  | 771 |
| Li2PdCl4 |  | 723 | *Tl2ZnI4* |  | 572 |
| *Cs2YbCl4* |  | 884 | K2PdI4 |  | 601 |
| Li2PtCl4 |  | 739 | Rb2PdI4 |  | 685 |
| Na2PtCl4 |  | 695 | Cs2PdI4 |  | 723 |
| *K2PtCl4* |  | 796 | Tl2PdI4 |  | 569 |
| Rb2PtCl4 |  | 829 | *K2CdI4* | 545 [6] | 544 |
| Ag2PtCl4 |  | 609 | Ag2CdI4 |  | 563 |
| Cs2PtCl4 |  | 835 | Tl2CdI4 |  | 589 |
| Tl2PtCl4 |  | 648 | *K2HgI4* | 480 [6] | 488 |
| Na2HgCl4 |  | 562 | Rb2HgI4 |  | 584 |
| *K2HgCl4* | 518 [7] | 544 | Ag2HgI4 |  | 551 |
| *Rb2HgCl4* | 601 [6] | 605 | *Tl2HgI4* | 591 [13] | 579 |
| Tl2HgCl4 |  | 621 | *K2PbI4* | 643 [6] | 618 |
| *Rb2PbCl4* | 723 [3] | 722 | *Rb2PbI4* | 705 [9] | 689 |

**Таблица S3.** Оценка температур плавления соединений состава ABHal4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Соединение | Tпл, K, эксп. | Tпл, Kпрогноз | Соединение | Tпл, K, эксп. | Tпл, Kпрогноз |
| *AgScF4* |  | 925 | LiVBr4 |  | 668 |
| AgTiF4 |  | 1052 | LiCrBr4 |  | 670 |
| AgVF4 |  | 1131 | LiYBr4 |  | 708 |
| *AgYF4* |  | 988 | LiMoBr4 |  | 668 |
| *AgInF4* |  | 868 | LiRhBr4 |  | 549 |
| AgLaF4 |  | 1010 | LiPrBr4 |  | 663 |
| AgCeF4 |  | 1037 | LiPmBr4 |  | 663 |
| AgPrF4 |  | 1014 | LiSmBr4 |  | 659 |
| *AgNdF4* |  | 1063 | LiEuBr4 |  | 822 |
| AgPmF4 |  | 1083 | LiGdBr4 |  | 836 |
| *AgSmF4* |  | 1052 | LiTbBr4 |  | 781 |
| *AgEuF4* |  | 1010 | LiErBr4 |  | 788 |
| *AgGdF4* |  | 1031 | LiTmBr4 |  | 789 |
| *AgTbF4* |  | 1032 | LiYbBr4 |  | 846 |
| *AgDyF4* |  | 1054 | LiLuBr4 |  | 921 |
| *AgHoF4* |  | 1042 | LiIrBr4 |  | 514 |
| *AgErF4* |  | 1045 | LiUBr4 |  | 682 |
| *AgTmF4* |  | 1019 | LiPuBr4 |  | 677 |
| *AgYbF4* |  | 1100 | LiBI4 |  | 485 |
| *AgLuF4* |  | 1083 | *LiAlI4* | 510 [3] | 496 |
| *AgBiF4* |  | 778 | LiScI4 |  | 661 |
| AgUF4 |  | 1045 | LiVI4 |  | 729 |
| AgPuF4 |  | 1056 | LiCrI4 |  | 729 |
| AgBCl4 |  | 526 | LiYI4 |  | 775 |
| AgScCl4 |  | 621 | LiMoI4 |  | 720 |
| AgCrCl4 |  | 716 | LiLaI4 |  | 716 |
| AgFeCl4 |  | 487 | LiCeI4 |  | 722 |
| AgRuCl4 |  | 548 | LiPrI4 |  | 705 |
| AgRhCl4 |  | 545 | LiNdI4 |  | 717 |
| AgSbCl4 |  | 434 | LiPmI4 |  | 706 |
| AgCeCl4 |  | 666 | LiEuI4 |  | 855 |
| AgPrCl4 |  | 648 | LiGdI4 |  | 808 |
| AgNdCl4 |  | 662 | LiTbI4 |  | 784 |
| AgPmCl4 |  | 671 | LiDyI4 |  | 795 |
| AgSmCl4 |  | 658 | LiErI4 |  | 823 |
| AgEuCl4 |  | 644 | LiTmI4 |  | 829 |
| AgTbCl4 |  | 646 | LiYbI4 |  | 880 |
| AgLuCl4 |  | 743 | LiLuI4 |  | 869 |
| AgUCl4 |  | 676 | LiUI4 |  | 726 |
| AgPuCl4 |  | 693 | LiPuI4 |  | 722 |
| *AgAlBr4* | 489 [14] | 490 | *NaAlF4* | 983 [3] | 978 |
| AgPBr4 |  | 487 | NaPF4 |  | 649 |
| AgScBr4 |  | 627 | *NaTiF4* | 1024 [3] | 1043 |
| AgTiBr4 |  | 677 | NaCoF4 |  | 911 |
| AgVBr4 |  | 695 | *NaGaF4* | 871 [6] | 885 |
| AgCrBr4 |  | 713 | NaMoF4 |  | 1116 |
| AgGaBr4 |  | 490 | *NaInF4* |  | 1017 |
| AgYBr4 |  | 649 | NaBCl4 |  | 539 |
| AgMoBr4 |  | 705 | *NaAlCl4* | 433 [3] | 442 |
| AgRhBr4 |  | 553 | NaScCl4 |  | 681 |
| AgInBr4 |  | 544 | *NaTiCl4* | 728 [14] | 757 |
| AgSbBr4 |  | 436 | NaVCl4 |  | 750 |
| AgLaBr4 |  | 676 | *NaCrCl4* | 748 [6] | 808 |
| AgCeBr4 |  | 720 | *NaFeCl4* | 436 [6] | 443 |
| AgPmBr4 |  | 718 | *NaGaCl4* | 511 [6] | 486 |
| AgSmBr4 |  | 692 | *NaYCl4* | 704 [24] | 703 |
| AgEuBr4 |  | 656 | *NaMoCl4* | 473 (распад в тв.ф.) [6] | 760 |
| AgGdBr4 |  | 655 | NaRuCl4 |  | 515 |
| AgHoBr4 |  | 659 | *NaRhCl4* | 949 [25] | 508 |
| AgErBr4 |  | 655 | NaInCl4 |  | 781 |
| AgTmBr4 |  | 675 | NaSbCl4 |  | 426 |
| AgYbBr4 |  | 760 | *NaTbCl4* | 692 [26] | 698 |
| AgLuBr4 |  | 712 | *NaErCl4* | 707 [27] | 705 |
| *AgBiBr4* | 563 [15] | 573 | *NaYbCl4* | 725 [28] | 948 |
| AgUBr4 |  | 691 | NaLuCl4 |  | 910 |
| AgPuBr4 |  | 693 | NaTaCl4 |  | 747 |
| AgAlI4 |  | 502 | NaIrCl4 |  | 522 |
| AgPI4 |  | 538 | *NaBiCl4* | 516 [6] | 513 |
| AgScI4 |  | 660 | *NaAlBr4* | 474 [7] | 475 |
| AgTiI4 |  | 723 | NaTiBr4 |  | 728 |
| AgVI4 |  | 772 | NaVBr4 |  | 669 |
| AgCrI4 |  | 781 | NaCrBr4 |  | 709 |
| *AgGaI4* | 523 [6] | 513 | NaFeBr4 |  | 470 |
| AgYI4 |  | 686 | *NaGaBr4* | 453 [6] | 461 |
| *AgInI4* | 525 [14] | 545 | NaYBr4 |  | 786 |
| AgSbI4 |  | 489 | NaMoBr4 |  | 683 |
| AgLaI4 |  | 743 | NaRhBr4 |  | 530 |
| AgCeI4 |  | 748 | NaInBr4 |  | 668 |
| AgPrI4 |  | 728 | NaPmBr4 |  | 738 |
| AgNdI4 |  | 744 | NaEuBr4 |  | 783 |
| AgPmI4 |  | 718 | NaDyBr4 |  | 721 |
| AgSmI4 |  | 740 | NaErBr4 |  | 713 |
| AgEuI4 |  | 727 | NaYbBr4 |  | 924 |
| AgGdI4 |  | 716 | NaLuBr4 |  | 757 |
| AgTbI4 |  | 708 | NaPuBr4 |  | 685 |
| AgDyI4 |  | 703 | NaBI4 |  | 503 |
| AgErI4 |  | 723 | *NaAlI4* | 493 [3] | 485 |
| AgTmI4 |  | 716 | NaScI4 |  | 638 |
| AgYbI4 |  | 823 | NaTiI4 |  | 705 |
| AgLuI4 |  | 765 | NaVI4 |  | 724 |
| *AgBiI4* | 683 [16] | 622 | NaCrI4 |  | 730 |
| AgUI4 |  | 729 | NaMoI4 |  | 727 |
| AgPuI4 |  | 764 | NaInI4 |  | 656 |
| CsAlF4 |  | 887 | NaCeI4 |  | 823 |
| CsTiF4 |  | 1095 | NaNdI4 |  | 928 |
| *CsVF4* | 1158 [6] | 1169 | NaPmI4 |  | 701 |
| *CsGaF4* | 808 [6]; 998 [17] | 970 | NaEuI4 |  | 817 |
| CsYF4 |  | 1000 | NaTbI4 |  | 735 |
| CsInF4 |  | 1011 | NaDyI4 |  | 674 |
| *CsSbF4* | 518 [18] | 517 | NaTmI4 |  | 686 |
| CsLaF4 |  | 997 | NaYbI4 |  | 785 |
| CsPrF4 |  | 1015 | NaLuI4 |  | 776 |
| CsPmF4 |  | 1063 | NaUI4 |  | 753 |
| CsSmF4 |  | 1059 | NaPuI4 |  | 722 |
| CsEuF4 |  | 1017 | *RbAlF4* | 810 [7] | 841 |
| CsGdF4 |  | 1052 | RbTiF4 |  | 1102 |
| CsTbF4 |  | 1033 | *RbVF4* | 1201 [3] | 1180 |
| CsDyF4 |  | 1053 | *RbCrF4* | 1179 [6] | 1231 |
| CsHoF4 |  | 1046 | *RbFeF4* | 963 [7] | 948 |
| CsErF4 |  | 1043 | RbCoF4 |  | 941 |
| CsTmF4 |  | 1001 | *RbGaF4* | 868 [6] | 950 |
| CsYbF4 |  | 1101 | RbYF4 |  | 998 |
| CsLuF4 |  | 1095 | RbMoF4 |  | 1178 |
| CsPuF4 |  | 1028 | RbInF4 |  | 992 |
| CsBCl4 |  | 680 | RbPmF4 |  | 1066 |
| CsVCl4 |  | 878 | RbEuF4 |  | 1016 |
| CsCrCl4 |  | 932 | RbGdF4 |  | 1051 |
| CsMoCl4 |  | 858 | RbTbF4 |  | 1044 |
| CsRuCl4 |  | 738 | RbDyF4 |  | 1054 |
| CsRhCl4 |  | 725 | *RbHoF4* | 988 (распад в тв.ф.) [3] | 1045 |
| CsCeCl4 |  | 810 | RbErF4 |  | 1047 |
| CsPmCl4 |  | 811 | RbYbF4 |  | 1102 |
| CsLuCl4 |  | 895 | RbLuF4 |  | 1102 |
| CsTaCl4 |  | 874 | RbBCl4 |  | 638 |
| CsIrCl4 |  | 727 | *RbVCl4* | 865 [6] | 872 |
| CsBBr4 |  | 628 | RbCrCl4 |  | 952 |
| CsPBr4 |  | 565 | RbMoCl4 |  | 897 |
| CsVBr4 |  | 776 | RbPmCl4 |  | 763 |
| CsCrBr4 |  | 806 | RbGdCl4 |  | 729 |
| CsYBr4 |  | 714 | RbLuCl4 |  | 893 |
| CsMoBr4 |  | 796 | RbTaCl4 |  | 866 |
| CsRhBr4 |  | 683 | RbBBr4 |  | 581 |
| CsPrBr4 |  | 712 | RbPBr4 |  | 523 |
| CsNdBr4 |  | 741 | RbVBr4 |  | 791 |
| CsPmBr4 |  | 717 | RbCrBr4 |  | 886 |
| CsEuBr4 |  | 688 | RbYBr4 |  | 677 |
| CsErBr4 |  | 711 | RbMoBr4 |  | 770 |
| CsLuBr4 |  | 769 | RbPmBr4 |  | 777 |
| *CsBiBr4* | 548 [6] | 558 | RbEuBr4 |  | 674 |
| CsPuBr4 |  | 744 | RbHoBr4 |  | 681 |
| CsBI4 |  | 597 | RbLuBr4 |  | 741 |
| *CsAlI4* | 532 [3] | 540 | RbPuBr4 |  | 711 |
| CsTiI4 |  | 809 | RbBI4 |  | 558 |
| CsInI4 |  | 569 | RbPI4 |  | 506 |
| CsSbI4 |  | 487 | RbVI4 |  | 758 |
| CsLaI4 |  | 718 | RbInI4 |  | 543 |
| CsCeI4 |  | 725 | RbLaI4 |  | 866 |
| CsNdI4 |  | 730 | RbPrI4 |  | 737 |
| CsPmI4 |  | 722 | RbNdI4 |  | 778 |
| CsSmI4 |  | 714 | RbPmI4 |  | 767 |
| CsEuI4 |  | 706 | RbEuI4 |  | 683 |
| CsYbI4 |  | 804 | RbGdI4 |  | 686 |
| CsPuI4 |  | 742 | RbTbI4 |  | 679 |
| *KAlF4* | 847 [3] | 857 | RbBiI4 |  | 544 |
| KPF4 |  | 726 | RbUI4 |  | 756 |
| KTiF4 |  | 1076 | RbPuI4 |  | 715 |
| *KVF4* | 1113 [6] | 1138 | TlAlF4 |  | 840 |
| *KCrF4* | 1198 [6] | 1217 | TlBF4 |  | 747 |
| KFeF4 |  | 929 | TlPF4 |  | 810 |
| KCoF4 |  | 927 | TlTiF4 |  | 1074 |
| *KGaF4* | 861 [6] | 892 | *TlVF4* | 1158 [6] | 1138 |
| KMoF4 |  | 1147 | *TlCrF4* | 1144 [6] | 1153 |
| *KInF4* | 1099 [19] | 1032 | *TlGaF4* | 885 [29] | 926 |
| *KSbF4* | 538 [20] | 586 | TlYF4 |  | 958 |
| KTmF4 |  | 1026 | TlInF4 |  | 872 |
| *KBiF4* | 608 [21] | 832 | TlSbF4 |  | 654 |
| KBCl4 |  | 577 | TlCeF4 |  | 955 |
| KPCl4 |  | 476 | TlPrF4 |  | 943 |
| KVCl4 |  | 852 | TlNdF4 |  | 971 |
| *KCrCl4* | 1023 [6] | 949 | TlPmF4 |  | 1003 |
| KMoCl4 |  | 912 | TlSmF4 |  | 957 |
| KRuCl4 |  | 606 | TlEuF4 |  | 957 |
| KRhCl4 |  | 592 | TlGdF4 |  | 981 |
| *KInCl4* | 563 [18] | 591 | TlTbF4 |  | 978 |
| *KSbCl4* | 388 [3] | 392 | TlDyF4 |  | 988 |
| KPmCl4 |  | 731 | TlHoF4 |  | 980 |
| *KBiCl4* | 479 [6] | 486 | TlErF4 |  | 984 |
| KPBr4 |  | 477 | TlTmF4 |  | 963 |
| KVBr4 |  | 704 | TlYbF4 |  | 1021 |
| KCrBr4 |  | 818 | TlLuF4 |  | 1062 |
| KFeBr4 |  | 530 | TlBiF4 |  | 779 |
| KYBr4 |  | 646 | TlPuF4 |  | 973 |
| KMoBr4 |  | 744 | TlBCl4 |  | 574 |
| KRhBr4 |  | 568 | TlScCl4 |  | 707 |
| KInBr4 |  | 546 | TlVCl4 |  | 738 |
| KPmBr4 |  | 660 | TlCrCl4 |  | 814 |
| KEuBr4 |  | 657 | *TlFeCl4* |  | 579 |
| KHoBr4 |  | 657 | TlYCl4 |  | 703 |
| KLuBr4 |  | 756 | TlMoCl4 |  | 717 |
| KBiBr4 |  | 521 | TlCeCl4 |  | 712 |
| KPuBr4 |  | 682 | TlPrCl4 |  | 746 |
| KBI4 |  | 542 | TlNdCl4 |  | 728 |
| KPI4 |  | 497 | TlPmCl4 |  | 740 |
| KScI4 |  | 657 | TlSmCl4 |  | 699 |
| KVI4 |  | 757 | TlEuCl4 |  | 666 |
| KCrI4 |  | 883 | TlTbCl4 |  | 682 |
| KMoI4 |  | 792 | TlDyCl4 |  | 704 |
| KSbI4 |  | 416 | TlHoCl4 |  | 706 |
| KCeI4 |  | 805 | TlErCl4 |  | 693 |
| KPmI4 |  | 742 | TlTmCl4 |  | 743 |
| KTbI4 |  | 774 | TlLuCl4 |  | 780 |
| KTmI4 |  | 706 | TlTaCl4 |  | 714 |
| KLuI4 |  | 795 | TlUCl4 |  | 822 |
| KBiI4 |  | 577 | TlPuCl4 |  | 734 |
| KUI4 |  | 721 | TlPBr4 |  | 471 |
| KPuI4 |  | 720 | TlTiBr4 |  | 669 |
| LiAlF4 |  | 916 | TlYBr4 |  | 740 |
| LiScF4 |  | 992 | TlRhBr4 |  | 540 |
| LiVF4 |  | 1133 | *TlInBr4* | 483 (распад в тв.ф.) [30] | 507 |
| LiCrF4 |  | 1189 | TlSbBr4 |  | 421 |
| LiFeF4 |  | 896 | TlBiBr4 |  | 522 |
| LiGaF4 |  | 867 | TlBI4 |  | 522 |
| LiMoF4 |  | 1013 | TlAlI4 |  | 489 |
| *LiInF4* | 866 [22] | 921 | TlPI4 |  | 491 |
| *LiSbF4* | 528 [23] | 533 | TlScI4 |  | 646 |
| LiBCl4 |  | 459 | TlVI4 |  | 871 |
| LiTiCl4 |  | 767 | TlCrI4 |  | 842 |
| LiVCl4 |  | 707 | TlYI4 |  | 673 |
| LiCrCl4 |  | 809 | TlMoI4 |  | 725 |
| LiMoCl4 |  | 649 | *TlInI4* | 496 [3] | 492 |
| LiRuCl4 |  | 497 | TlSbI4 |  | 442 |
| LiRhCl4 |  | 490 | TlPmI4 |  | 685 |
| LiInCl4 |  | 577 | TlEuI4 |  | 671 |
| LiSbCl4 |  | 389 | TlGdI4 |  | 682 |
| LiSmCl4 |  | 723 | TlTbI4 |  | 675 |
| LiEuCl4 |  | 709 | TlDyI4 |  | 685 |
| LiTaCl4 |  | 656 | TlErI4 |  | 687 |
| LiIrCl4 |  | 499 | TlTmI4 |  | 705 |
| *LiBiCl4* | 483 [3] | 482 | TlYbI4 |  | 770 |
| *LiAlBr4* | 465.5 [3] | 466 | TlLuI4 |  | 727 |
| LiScBr4 |  | 624 | TlBiI4 |  | 538 |
| LiTiBr4 |  | 669 | TlPuI4 |  | 705 |

**Таблица S4.** Оценка температур плавления соединений состава A2BHal5

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Соединение | Tпл, K, эксп. | Tпл, Kпрогноз | Соединение | Tпл, K, эксп. | Tпл, Kпрогноз |
| Li2BF5 |  | 893 | *Cs2NdCl5* |  | 875 |
| *Na2SbF5* | 703 [18] | 792 | Cs2PmCl5 |  | 880 |
| K2ScF5 |  | 1049 | *Cs2GdCl5* | 877 [32] | 885 |
| *K2SbF5* | 848 [18] | 851 | *Cs2TbCl5* | 873 [26] | 875 |
| K2LaF5 |  | 1040 | *Cs2UCl5* | 995 [6] | 926 |
| *K2NdF5* | 963 [31] | 1011 | *Na2InBr5* | 503 [6] | 549 |
| K2PmF5 |  | 998 | *K2PrBr5* |  | 816 |
| K2PuF5 |  | 1038 | K2PmBr5 |  | 775 |
| Rb2ScF5 |  | 1046 | K2EuBr5 |  | 765 |
| *Rb2SbF5* | 868 [18] | 857 | *K2UBr5* | 853 [7] | 874 |
| Rb2PmF5 |  | 970 | K2PuBr5 |  | 828 |
| Rb2LuF5 |  | 1016 | Rb2PmBr5 |  | 778 |
| *Rb2BiF5* | 938 [4] | 927 | Rb2EuBr5 |  | 770 |
| *Cs2SbF5* | 878 [18] | 854 | *Rb2UBr5* | 805 [14] | 845 |
| Cs2LaF5 |  | 977 | Rb2PuBr5 |  | 824 |
| Cs2EuF5 |  | 1035 | *Cs2LaBr5* | 771 [33] | 806 |
| *Cs2BiF5* | 823 [21] | 888 | Cs2CeBr5 |  | 826 |
| *Tl2SbF5* |  | 716 | Cs2PrBr5 |  | 809 |
| *K2YCl5* |  | 840 | Cs2NdBr5 |  | 804 |
| K2PmCl5 |  | 819 | *Cs2SmBr5* | 817 [9] | 797 |
| *K2HoCl5* |  | 766 | Tl2CeBr5 |  | 815 |
| Rb2PmCl5 |  | 823 | *K2UI5* |  | 837 |
| Rb2DyCl5 |  | 802 | *Rb2UI5* |  | 811 |
| *Cs2CeCl5* |  | 903 | Rb2PuI5 |  | 789 |

**Таблица S5.** Оценка температур плавления соединений состава A3BHal6

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Соединение | Tпл, K, эксп. | Tпл, Kпрогноз | Соединение | Tпл, K, эксп. | Tпл, Kпрогноз |
| Ag3BF6 |  | 1008 | Na3UCl6 |  | 721 |
| *Li3AlF6* | 1055 [6] | 1060 | *K3UCl6* | 798 (распад в тв. ф.) [6] | 867 |
| *K3AlF6* | 1247 [7] | 1280 | *Rb3UCl6* | 983 [9] | 895 |
| *Rb3AlF6* | 1258 [3] | 1198 | Ag3UCl6 |  | 773 |
| *Cs3AlF6* | 1096 [3] | 1088 | *Cs3UCl6* | 1073 [9] | 1038 |
| Li3TiF6 |  | 1029 | Tl3UCl6 |  | 748 |
| Ag3TiF6 |  | 1011 | *K3PuCl6* | 958 [6] | 1006 |
| *K3VF6* | 1448 [6] | 1370 | *Rb3PuCl6* | 1047 [6] | 933 |
| Ag3VF6 |  | 1026 | Ag3PuCl6 |  | 830 |
| *Li3CrF6* | 1125 [6] | 1125 | Tl3PuCl6 |  | 931 |
| *K3CrF6* | 1543 [6] | 1542 | *Li3ScBr6* | 847 [6] | 778 |
| *Rb3CrF6* | 1528 [6] | 1529 | *K3ScBr6* | 970 [6] | 891 |
| Li3MnF6 |  | 980 | *Rb3ScBr6* | 1005 [6] | 926 |
| K3MnF6 |  | 1094 | Ag3ScBr6 |  | 841 |
| Ag3MnF6 |  | 975 | *Cs3ScBr6* | 1030 [6] | 1017 |
| Tl3MnF6 |  | 929 | Li3TiBr6 |  | 805 |
| *Li3FeF6* | 963 [34] | 963 | *K3TiBr6* | 935 [6] | 983 |
| *K3FeF6* | 953 [34] | 953 | Ag3TiBr6 |  | 782 |
| *Rb3FeF6* | 1253 [34] | 1253 | Li3VBr6 |  | 878 |
| *Ag3FeF6* | 1013 [34] | 1013 | Na3VBr6 |  | 796 |
| *Cs3FeF6* | 1203 [34] | 1203 | K3VBr6 |  | 878 |
| *Tl3FeF6* | 883 [34] | 883 | Rb3VBr6 |  | 856 |
| Ag3CoF6 |  | 975 | Ag3VBr6 |  | 835 |
| *Rb3GaF6* | 1225 [6];1133 [19] | 1130 | Cs3VBr6 |  | 889 |
| *Tl3GaF6* | 921 [29] | 821 | Li3CrBr6 |  | 806 |
| Tl3YF6 |  | 929 | Na3CrBr6 |  | 888 |
| Li3MoF6 |  | 978 | K3CrBr6 |  | 875 |
| Na3MoF6 |  | 1038 | Rb3CrBr6 |  | 882 |
| Rb3MoF6 |  | 1148 | Na3FeBr6 |  | 870 |
| Ag3MoF6 |  | 989 | K3FeBr6 |  | 788 |
| Cs3MoF6 |  | 1134 | Rb3FeBr6 |  | 812 |
| Tl3MoF6 |  | 981 | Cs3FeBr6 |  | 731 |
| *Li3InF6* | 1140 [6]; 899 [22] | 899 | Li3YBr6 |  | 777 |
| K3InF6 |  | 1124 | Na3YBr6 |  | 781 |
| Cs3InF6 |  | 1220 | K3YBr6 |  | 877 |
| *K3LaF6* | 1092 [35] (распад в тв. ф.) | 918 | Rb3YBr6 |  | 933 |
| *Rb3LaF6* | 953 [9] | 931 | Cs3YBr6 |  | 1006 |
| *Cs3LaF6* | 1082 [35] | 1081 | Li3MoBr6 |  | 894 |
| Rb3CeF6 |  | 1016 | Na3MoBr6 |  | 911 |
| Ag3CeF6 |  | 922 | K3MoBr6 |  | 881 |
| *Rb3PrF6* | 1051 [6] | 1070 | Rb3MoBr6 |  | 909 |
| *Rb3NdF6* | 1133 [3] | 1133 | Cs3MoBr6 |  | 935 |
| K3PmF6 |  | 1113 | Li3RhBr6 |  | 851 |
| Rb3PmF6 |  | 1167 | Na3RhBr6 |  | 869 |
| Cs3PmF6 |  | 1231 | K3RhBr6 |  | 850 |
| Rb3SmF6 |  | 1175 | Rb3RhBr6 |  | 875 |
| Ag3SmF6 |  | 913 | Cs3RhBr6 |  | 857 |
| *Rb3EuF6* | 1223 [9] | 1223 | *Rb3InBr6* | 707 [3] | 749 |
| Ag3GdF6 |  | 930 | *Cs3InBr6* | 717 [6] | 755 |
| Ag3TbF6 |  | 928 | K3LaBr6 |  | 804 |
| *Rb3HoF6* | 1293 [3] | 1292 | *Rb3LaBr6* | 942 [33] | 829 |
| *K3ErF6* | 1258 [3] | 1272 | *Cs3LaBr6* | 1013 [33] | 957 |
| *Rb3ErF6* | 1319 [3] | 1310 | *K3CeBr6* | 877 [44] | 909 |
| *Na3TmF6* |  | 1142 | *Rb3CeBr6* | 966 [44] | 988 |
| *K3LuF6* | 1303 [3] | 1304 | *Cs3CeBr6* | 1035 [44] | 955 |
| *Rb3LuF6* | 1313 [36] | 1316 | *K3PrBr6* | 905 [9] | 914 |
| *Cs3BiF6* | 1078 [21] | 1078 | *Rb3PrBr6* | 995 [45] | 1014 |
| Tl3UF6 |  | 943 | *Cs3PrBr6* | 1022 [7] | 941 |
| Na3PuF6 |  | 1097 | *K3NdBr6* | 925 [46] | 961 |
| K3PuF6 |  | 1128 | *Rb3NdBr6* | 1007 [47] | 1013 |
| *Rb3PuF6* | 801 [37] | 1185 | *Cs3NdBr6* | 1043 [47] | 986 |
| Ag3PuF6 |  | 937 | Li3PmBr6 |  | 876 |
| *Cs3PuF6* | 1072 [37] | 1220 | Na3PmBr6 |  | 900 |
| *Li3ScCl6* | 858 [6] | 858 | K3PmBr6 |  | 856 |
| *K3ScCl6* | 1091 [6] | 1086 | Rb3PmBr6 |  | 888 |
| *Rb3ScCl6* | 1101 [3] | 1097 | Cs3PmBr6 |  | 999 |
| *Cs3ScCl6* | 1101 [3] | 1094 | *K3SmBr6* | 951 [9] | 982 |
| Tl3ScCl6 |  | 875 | *Rb3SmBr6* | 1028 [9] | 1036 |
| *Li3TiCl6* | 833 [6] | 833 | *Cs3SmBr6* | 1054 [30] | 1002 |
| *K3TiCl6* | 1033 [6] | 1044 | Li3EuBr6 |  | 878 |
| *Rb3TiCl6* | 1067 [6] | 1060 | K3EuBr6 |  | 997 |
| Ag3TiCl6 |  | 764 | Rb3EuBr6 |  | 899 |
| *Cs3TiCl6* | 1043 [6] | 1043 | Ag3EuBr6 |  | 791 |
| Li3VCl6 |  | 828 | Cs3EuBr6 |  | 1052 |
| *K3VCl6* | 1016 [6] | 1038 | Tl3EuBr6 |  | 707 |
| *Rb3VCl6* | 1022 [6] | 1022 | Li3GdBr6 |  | 916 |
| *Cs3VCl6* | 999 [38] | 999 | *K3GdBr6* | 966 [46] | 875 |
| *Li3CrCl6* | 847 [6] | 847 | *Rb3GdBr6* | 1026 [46] | 895 |
| *K3CrCl6* | 1108 [6] | 1105 | *Cs3GdBr6* | 1075 [46] | 1022 |
| *Rb3CrCl6* | 1141 [6] | 1124 | *Li3TbBr6* | 785 [48] | 905 |
| Tl3CrCl6 |  | 884 | *Na3TbBr6* | 933 [4] | 1005 |
| Li3FeCl6 |  | 788 | *Rb3TbBr6* | 1047 [49] | 916 |
| Na3FeCl6 |  | 829 | *Cs3TbBr6* | 1083 [50] | 1008 |
| K3FeCl6 |  | 725 | *Li3DyBr6* | 803 [51] | 924 |
| Rb3FeCl6 |  | 760 | *Na3DyBr6* | 765 [52] | 913 |
| *Cs3FeCl6* | 754 [9] | 705 | *K3DyBr6* | 992 [46] | 897 |
| *K3YCl6* | 1053 [3] | 1065 | *Rb3DyBr6* | 1046 [46] | 894 |
| *Rb3YCl6* | 1131 [6] | 1137 | Ag3DyBr6 |  | 821 |
| Ag3YCl6 |  | 710 | *Cs3DyBr6* | 1063 [4] | 1060 |
| *Cs3YCl6* | 1143 [6] | 1156 | Li3HoBr6 |  | 748 |
| Li3MoCl6 |  | 854 | *Na3HoBr6* | 753 [4] | 895 |
| *K3MoCl6* | 1146 [3] | 1142 | *K3HoBr6* | 992 [53] | 890 |
| *Rb3MoCl6* | 1185 [9] | 1190 | Rb3HoBr6 |  | 885 |
| *Cs3MoCl6* | 1188 [9] | 1188 | Ag3HoBr6 |  | 827 |
| Li3RuCl6 |  | 784 | *Cs3HoBr6* | 1097 [4] | 1062 |
| Na3RuCl6 |  | 806 | Li3ErBr6 |  | 750 |
| *K3RuCl6* | 973 [39] | 961 | Na3ErBr6 |  | 936 |
| Rb3RuCl6 |  | 924 | *K3ErBr6* | 1013 [9] | 903 |
| *Cs3RuCl6* | 873 [4] | 873 | *Rb3ErBr6* | 1059 [9] | 941 |
| Li3RhCl6 |  | 825 | Ag3ErBr6 |  | 840 |
| Na3RhCl6 |  | 846 | *Cs3ErBr6* | 1095 [46] | 1077 |
| *K3RhCl6* | 1133 [40] | 1135 | *Li3TmBr6* | 831 [54] | 758 |
| Rb3RhCl6 |  | 1090 | *Na3TmBr6* | 781 [55] | 952 |
| Cs3RhCl6 |  | 1046 | *K3TmBr6* | 981 [55] | 918 |
| *Li3InCl6* | 735 [6] | 734 | Rb3TmBr6 |  | 926 |
| K3InCl6 |  | 881 | Ag3TmBr6 |  | 826 |
| *Rb3InCl6* | 939 [6] | 939 | *Cs3TmBr6* | 1083 [4] | 1077 |
| *Cs3InCl6* | 905 [6] | 904 | Tl3TmBr6 |  | 805 |
| *Cs3LaCl6* | 1050 [6] | 1050 | Li3YbBr6 |  | 956 |
| *Rb3CeCl6* | 1019 [4] | 1019 | Na3YbBr6 |  | 870 |
| *Cs3CeCl6* | 1073 [6] | 1078 | *K3YbBr6* | 1006 [9] | 918 |
| *Rb3PrCl6* | 1028 [4] | 1040 | *Rb3YbBr6* | 1055 [9] | 926 |
| *Cs3PrCl6* | 1063 [4] | 1087 | Ag3YbBr6 |  | 825 |
| *Rb3NdCl6* | 1046 [6] | 1052 | *Cs3YbBr6* | 1098 [46] | 1077 |
| *Cs3NdCl6* | 1086 [6] | 1098 | Tl3YbBr6 |  | 805 |
| Li3PmCl6 |  | 751 | Li3LuBr6 |  | 942 |
| Na3PmCl6 |  | 764 | Na3LuBr6 |  | 867 |
| K3PmCl6 |  | 1006 | K3LuBr6 |  | 901 |
| Rb3PmCl6 |  | 1081 | Rb3LuBr6 |  | 906 |
| Cs3PmCl6 |  | 1118 | Ag3LuBr6 |  | 816 |
| *K3SmCl6* | 1018 [6] | 1013 | Cs3LuBr6 |  | 1056 |
| *Rb3SmCl6* | 1105 [6] | 1095 | Li3IrBr6 |  | 716 |
| Ag3SmCl6 |  | 693 | Na3IrBr6 |  | 910 |
| *Cs3SmCl6* | 1159 [6] | 1138 | K3IrBr6 |  | 801 |
| Li3EuCl6 |  | 748 | Rb3IrBr6 |  | 846 |
| *K3EuCl6* | 1026 [41] | 1032 | Cs3IrBr6 |  | 861 |
| *Rb3EuCl6* | 1097 [41] | 1097 | K3BiBr6 |  | 841 |
| Ag3EuCl6 |  | 699 | Rb3BiBr6 |  | 867 |
| *Cs3EuCl6* | 1136 [41] | 1136 | *Rb3UBr6* | 968 [3] | 923 |
| Tl3EuCl6 |  | 770 | *Cs3UBr6* | 1031 [3] | 977 |
| Li3GdCl6 |  | 764 | K3PuBr6 |  | 922 |
| *K3GdCl6* | 1044 [32] | 1072 | Rb3PuBr6 |  | 1014 |
| *Rb3GdCl6* | 1113 [32] | 1113 | Cs3PuBr6 |  | 969 |
| *Cs3GdCl6* | 1145 [32] | 1146 | Li3ScI6 |  | 931 |
| *Tl3GdCl6* | 823 [4] | 823 | *Rb3ScI6* | 875 [9] | 962 |
| *K3TbCl6* | 1049 [42] | 1066 | *Cs3ScI6* | 900 [56] | 877 |
| *Rb3TbCl6* | 1115 [42] | 1115 | Rb3TiI6 |  | 881 |
| *Cs3TbCl6* | 1153 [42] | 1153 | Cs3TiI6 |  | 902 |
| Tl3TbCl6 |  | 767 | K3VI6 |  | 910 |
| *K3DyCl6* | 1073 [43] | 1070 | Rb3VI6 |  | 904 |
| *Rb3DyCl6* | 1121 [43] | 1121 | Cs3VI6 |  | 908 |
| *Cs3DyCl6* | 1148 [43] | 1152 | *Cs3YI6* | 978 [57] | 954 |
| Tl3DyCl6 |  | 788 | K3MoI6 |  | 869 |
| *K3HoCl6* | 1077 [43] | 1112 | Rb3MoI6 |  | 922 |
| *Rb3HoCl6* | 1147 [43] | 1146 | Cs3MoI6 |  | 902 |
| *Cs3HoCl6* | 1150 [43] | 1150 | Rb3InI6 |  | 699 |
| Tl3HoCl6 |  | 794 | *Cs3InI6* | 563 [6] | 745 |
| *K3ErCl6* | 1083 [43] | 1067 | *Cs3LaI6* | 941 [6] | 703 |
| *Rb3ErCl6* | 1140 [43] | 1141 | *Cs3PrI6* | 958 [6] | 760 |
| *Cs3ErCl6* | 1163 [43] | 1166 | *Cs3NdI6* | 966 [6] | 954 |
| Tl3ErCl6 |  | 814 | Cs3PmI6 |  | 970 |
| *K3TmCl6* | 1086 [43] | 1086 | *Cs3SmI6* | 978 [6] | 972 |
| *Rb3TmCl6* | 1153 [43] | 1153 | Li3EuI6 |  | 882 |
| *Cs3TmCl6* | 1168 [43] | 1169 | Rb3EuI6 |  | 958 |
| Tl3TmCl6 |  | 880 | Cs3EuI6 |  | 880 |
| *K3YbCl6* | 1093 [43] | 1122 | Li3GdI6 |  | 862 |
| *Rb3YbCl6* | 1143 [43] | 1144 | *K3GdI6* | 852 [6] | 907 |
| *Cs3YbCl6* | 1171 [43] | 1167 | Li3TbI6 |  | 824 |
| *Tl3YbCl6* | 933 [4] | 933 | Li3DyI6 |  | 862 |
| Rb3LuCl6 |  | 1114 | *Cs3DyI6* | 988 [6] | 945 |
| Cs3LuCl6 |  | 1139 | *Cs3HoI6* | 992 [35] | 948 |
| Tl3LuCl6 |  | 864 | Li3ErI6 |  | 945 |
| Li3TaCl6 |  | 807 | *Cs3ErI6* | 990 [1] | 991 |
| Na3TaCl6 |  | 827 | Li3TmI6 |  | 909 |
| K3TaCl6 |  | 1037 | K3TmI6 |  | 948 |
| Rb3TaCl6 |  | 1105 | Rb3TmI6 |  | 898 |
| Cs3TaCl6 |  | 1086 | *Cs3TmI6* | 963 [58] | 949 |
| Li3IrCl6 |  | 782 | Li3YbI6 |  | 900 |
| Na3IrCl6 |  | 798 | Rb3YbI6 |  | 951 |
| Rb3IrCl6 |  | 1006 | Li3LuI6 |  | 850 |
| *Cs3IrCl6* | 982 [4] | 981 | *Cs3LuI6* | 993 [59] | 965 |
| *K3BiCl6* | 853 [6] | 791 | Rb3BiI6 |  | 841 |

Примечание: курсивом обозначены экспериментально полученные соединения, в том числе и те, для которых не был указан тип кристаллической структуры при комнатной температуре и атмосферном давлении, предсказанный нами в [1, 2], или не было данных о температуре плавления при атмосферном давлении.

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