

STREM Metal TMHD Compounds

metals · inorganics · organometallics · catalysts · ligands · custom synthesis · cGMP facilities · nanomaterials

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|--------------|--------------|----------------|-------------|
| • Aluminum | • Europium | • Molybdenum | • Scandium |
| • Barium | • Gadolinium | • Neodymium | • Silver |
| • Bismuth | • Gallium | • Nickel | • Strontium |
| • Calcium | • Holmium | • Niobium | • Terbium |
| • Cerium | • Indium | • Oxygen | • Thallium |
| • Cesium | • Iron | • Palladium | • Thulium |
| • Chromium | • Lanthanum | • Potassium | • Titanium |
| • Cobalt | • Lead | • Praseodymium | • Ytterbium |
| • Copper | • Lithium | • Rubidium | • Yttrium |
| • Dysprosium | • Magnesium | • Ruthenium | • Zinc |
| • Erbium | • Manganese | • Samarium | • Zirconium |

13-5000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)aluminum, 99% (99.9%-Al) [Al(TMHD)₃] [14319-08-5] Al(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 576.80; white xtl.; m.p. 255-258°; b.p. dec. >400° (subl. 150°/0.01mm)	1g 5g 25g
56-8500 HAZ	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)barium hydrate [Ba(TMHD)₂] [17594-47-7] Ba(C ₁₁ H ₁₉ O ₂) ₂ ·XH ₂ O; FW: 503.85; white powdr.; m.p. 195-200°; b.p. dec. 285° (subl. 225°/0.05mm) <i>moisture sensitive</i>	1g 5g 25g
83-1000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)bismuth(III), min. 98% (99.9%-Bi) [Bi(TMHD)₃] [142617-53-6] Bi(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 758.74; off-white xtl.; m.p. 114-116°; b.p. dec. 295° (subl. 150°/0.05mm)	1g 5g 25g
20-1000	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)calcium [Ca(TMHD)₂] [36818-89-0] Ca(C ₁₁ H ₁₉ O ₂) ₂ ; FW: 406.62; white powdr.; m.p. 220-223°; b.p. dec. 280° (subl. 205°/0.1mm)	1g 5g 25g
58-5000	Tetrakis(2,2,6,6-tetramethyl-3,5-heptanedionato)cerium(IV), min. 97% (99.9%-Ce) (REO) [Ce(TMHD)₄] [18960-54-8] Ce(C ₁₁ H ₁₉ O ₂) ₄ ; FW: 873.20; red powdr.; m.p. 275-280°; b.p. dec. 295° (subl. 140°/0.05mm)	1g 5g 25g
55-5000	2,2,6,6-Tetramethyl-3,5-heptanedionato cesium [Cs(TMHD)] [61346-75-6] CsC ₁₁ H ₁₉ O ₂ ; FW: 316.18; pale yellow powdr.	1g 5g
24-1500	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)chromium(III), 99% [Cr(TMHD)₃] [14434-47-0] Cr(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 601.82; purple xtl.; m.p. 230-232°; b.p. dec. 270°	1g 5g
27-3000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)cobalt(III), 99% (99.9%-Co) [Co(TMHD)₃] [14877-41-9] Co(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 608.74; green powdr.; m.p. 254-256°; b.p. 250° dec. (subl. 120°/0.5mm)	1g 5g 25g
29-3000	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)copper(II), 99% [Cu(TMHD)₂] [14040-05-2] Cu(C ₁₁ H ₁₉ O ₂) ₂ ; FW: 430.05; blue xtl.; m.p. 198°; b.p. dec. 315° (subl. 88°/0.05mm)	1g 5g 25g
66-8500	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)dysprosium(III), 98+% (99.9%-Dy) (REO) [Dy(TMHD)₃] [15522-69-7] Dy(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 712.31; off-white xtl.; m.p. 182-185°; b.p. dec. 265° <i>hygroscopic</i>	1g 5g
68-8750	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)erbium(III), 99% (99.9%-Er) (REO) [Er(TMHD)₃] [35733-23-4] Er(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 717.08; pink xtl.; m.p. 168-171°; b.p. dec. 345° (subl. 160°/0.1mm)	1g 5g 25g
93-6328	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)europium(III), 99% (99.9%-Eu) (REO) [Eu(TMHD)₃] [15522-71-1] Eu(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 701.78; yellow powdr.; m.p. 188-189°; b.p. dec. 275°	1g 5g
64-5000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)gadolinium(III), 99%(99.9%-Gd) (REO) [Gd(TMHD)₃] [14768-15-1] Gd(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 707.07; off-white xtl.; m.p. 178-183°; b.p. dec. 295°	1g 5g
31-5000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)gallium(III), 99% (99.999%-Ga) [Ga(TMHD)₃] PURATREM [34228-15-4] Ga(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 619.54; white xtl.; m.p. 219-220°; b.p. dec. 360° (subl. 170°/0.2mm)	1g 5g 25g
67-5000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)holmium(III), 99% (99.9%-Ho) (REO) [Ho(TMHD)₃] [15522-73-3] Ho(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 714.75; off-white xtl.; m.p. 179-181°; b.p. dec. 290°	1g 5g
49-2200	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)indium(III), 99% (99.9%-In) [In(TMHD)₃] [34269-03-9] In(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 664.63; white to off-white powdr.; m.p. 167°	1g 5g

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26-3910	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)iron(III), 99% (99.9%-Fe) [Fe(TMHD)₃] [14876-47-2] Fe(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 605.66; red xtl.; m.p. 164°; b.p. dec. 300°	1g 5g 25g
57-1000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)lanthanum(III), 99% (99.9%-La) (REO) [La(TMHD)₃] [14319-13-2] La(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 688.72; white powdr.; m.p. 227-231°; b.p. dec. 370° (subl. 210°/0.2mm)	1g 5g 25g
82-2100	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)lead(II), 99% [Pb(TMHD)₂] [21319-43-7] Pb(C ₁₁ H ₁₉ O ₂) ₂ ; FW: 573.75; white powdr.; m.p. 126-128°; b.p. 325° dec. (subl. 134°/0.1mm)	1g 5g 25g
03-5001	2,2,6,6-Tetramethyl-3,5-heptanedionato lithium, 98+% [Li(TMHD)] [22441-13-0] LiC ₁₁ H ₁₉ O ₂ ; FW: 190.24; white powdr.; m.p. 265-268°; b.p. dec. 295°	1g 5g 25g
12-0900	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)magnesium, anhydrous, min. 98% [Mg(TMHD)₂] [21361-35-3] Mg(C ₁₁ H ₁₉ O ₂) ₂ ; FW: 390.85; white powdr. <i>hygroscopic</i>	1g 5g
12-1000	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)magnesium dihydrate, min. 98% [Mg(TMHD)₂] [21361-35-3] Mg(C ₁₁ H ₁₉ O ₂) ₂ ·2H ₂ O; FW: 390.85 (426.88); white powdr.; m.p. 135-150° (-H ₂ O); b.p. dec. 290° (subl. 150°/0.05mm)	1g 5g 25g
25-5000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)manganese(III), 99% [Mn(TMHD)₃] [14324-99-3] Mn(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 604.74; black xtl.; m.p. 165°; b.p. dec. 255°	1g 5g 25g
42-1357	Molybdenum(VI) dioxide bis(2,2,6,6-tetramethyl-3,5-heptanedionato), min. 98% [O₂Mo(TMHD)₂] [34872-98-5] MoO ₂ (C ₁₁ H ₁₉ O ₂) ₂ ; FW: 494.48; yellow xtl.; m.p. 129-131° <i>moisture sensitive</i>	1g 5g 25g
60-8750	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)neodymium(III), 99% (99.9%-Nd) (REO) [Nd(TMHD)₃] [15492-47-4] Nd(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 694.06; light purple xtl.; m.p. 209-212°; b.p. dec. 270° (subl. 150°/0.1mm)	1g 5g
28-0088	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)nickel(II), min. 98% (99.9%-Ni) [Ni(TMHD)₂] [41749-92-2] Ni(C ₁₁ H ₁₉ O ₂) ₂ ; FW: 425.23; purple xtl.; m.p. 223-225°; b.p. subl. 90-110°/0.1mm <i>hygroscopic</i>	1g 5g 25g
41-7000	Tetrakis(2,2,6,6-tetramethyl-3,5-heptanedionato)niobium(IV), 99% [Nb(TMHD)₄] [41706-15-4] Nb(C ₁₁ H ₁₉ O ₂) ₄ ; FW: 826.00; black xtl.; m.p. 219-220°; b.p. dec. 325°	1g 5g 25g
08-2050	2,2,6,6-Tetramethylheptane-3,5-dione, 98% TMHD [1118-71-4] (CH ₃) ₃ CC(O)CH ₂ C(O)C(CH ₃) ₃ ; FW: 184.28; colorless to pale yellow liq.; b.p. 72-73°/6 mm; f.p. 153°F; d. 0.883	5g 25g 100g
46-0248	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)palladium(II), min. 98% [Pd(TMHD)₂] [15214-66-1] NEW Pd(C ₁₁ H ₁₉ O ₂) ₂ ; FW: 472.95; orange powdr.	1g 5g
19-6000	2,2,6,6-Tetramethyl-3,5-heptanedionato potassium, min. 95% [K(TMHD)] [22441-14-1] KC ₁₁ H ₁₉ O ₂ ; FW: 222.40; light brown powdr.; b.p. dec. 150° <i>hygroscopic</i>	1g 5g 25g
93-5937	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)praseodymium(III), 99% (99.9%-Pr) (REO) [Pr(TMHD)₃] [15492-48-5] Pr(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 690.72; light green powdr.; m.p. 212-214°; b.p. dec. 300° (subl. 150°/0.1mm)	1g 5g
37-5000	2,2,6,6-Tetramethyl-3,5-heptanedionato rubidium [Rb(TMHD)] [166439-15-2] RbC ₁₁ H ₁₉ O ₂ ; FW: 268.74; white to off-white powdr.	1g 5g 25g
44-8000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)ruthenium(III), 99% (99.9%-Ru) [Ru(TMHD)₃] [38625-54-6] Ru(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 650.88; orange powdr.; m.p. 210-213°; b.p. dec. 250° (subl. 120°/0.5mm)	1g 5g
62-4000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)samarium(III) (99.9%-Sm) (REO) [Sm(TMHD)₃] [15492-50-9] Sm(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 700.11; pale yellow xtl.; m.p. 191-193°; b.p. dec. 250° (subl. 183°/1.3mm)	1g 5g
21-1000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)scandium(III), 99% (99.9%-Sc) (REO) [Sc(TMHD)₃] [15492-49-6] Sc(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 594.77; white powdr.; m.p. 150-152°; b.p. dec. 275°	500mg 2g
47-2600	2,2,6,6-Tetramethyl-3,5-heptanedionato silver(I) (99.9%-Ag) [Ag(TMHD)] [79827-25-1] AgC ₁₁ H ₁₉ O ₂ ; FW: 291.14; gray powdr.; m.p. 178° dec.	1g 5g 25g
38-1000	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)strontium hydrate [Sr(TMHD)₂] [199445-30-2] Sr(C ₁₁ H ₁₉ O ₂) ₂ ·XH ₂ O; FW: 454.16; light yellow powdr.; m.p. 200-203°; b.p. dec. 250° (subl. 230°/0.05mm)	1g 5g 25g
65-8000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)terbium(III), 99% (99.9%-Tb) (REO) [Tb(TMHD)₃] [15492-51-0] Tb(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 708.74; off-white xtl.; m.p. 155-156°; b.p. dec. 275°	1g 5g

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81-1000 HAZ	2,2,6,6-Tetramethyl-3,5-heptanedionato thallium(I), 99% [Ti(TMHD)] [56713-38-3] Ti(C ₁₁ H ₁₉ O ₂); FW: 387.62; off-white xtl.; m.p. 159-164°; b.p. dec. 260° (subl. 110°/0.1mm)	1g 5g
69-7000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)thulium(III), 98% (99.9%-Tm) (REO) [Tm(TMHD)₃] [15631-58-0] Tm(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 718.75; off-white xtl.; m.p. 169-172°; b.p. dec. 280°	1g 5g
22-0340	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)oxotitanium(IV), min. 95% [OTi(TMHD)₂] [152248-67-4] OTi(C ₁₁ H ₁₉ O ₂) ₂ ; FW: 430.42; off-white powdr.; m.p. 120° dec.	500mg 2g 10g
22-6000 amp	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)titanium(III), min. 97% [Ti(TMHD)₃] [181418-64-4] Ti(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 597.70; purple xtl.; b.p. subl. 75°/0.1mm <i>air sensitive</i>	1g 5g 25g
70-0100	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)ytterbium(III), 99% (99.9%-Yb) (REO) [Yb(TMHD)₃] [15492-52-1] Yb(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 722.86; off-white xtl.; m.p. 167-169°; b.p. dec. 300°	1g 5g
39-1000	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)yttrium(III), 98+% (99.9%-Y) (REO) [Y(TMHD)₃] [15632-39-0] Y(C ₁₁ H ₁₉ O ₂) ₃ ; FW: 638.72; white to off-white xtl.; m.p. 170-173°; b.p. dec. 290° (subl. 95°/0.05mm)	1g 5g 25g
30-0500	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)zinc, 99% [Zn(TMHD)₂] [14363-14-5] Zn(C ₁₁ H ₁₉ O ₂) ₂ ; FW: 431.93; white xtl.; m.p. 144°; b.p. dec. 250°	1g 5g 25g
40-5000	Tetrakis(2,2,6,6-tetramethyl-3,5-heptanedionato)zirconium(IV), 99% [Zr(TMHD)₄] [18865-74-2] Zr(C ₁₁ H ₁₉ O ₂) ₄ ; FW: 824.30; white xtl.; m.p. 318-320°; b.p. subl. 180°/0.1mm	1g 5g 25g

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