

TABLE 4

SUMMARY OF CRYSTAL FORMS OF KNOWN RARE EARTH SESQUISULFIDES

	Sc	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
α A Ortho- rhombic			26	26	26	26	26	20	26		2				21	
β B Unknown			2	2	2	2										
γ C Cubic		*	2	2	2	2	2		2	6	2;* *	*	*	*	*	*
δ D Monoclinic		2									2	6	2	6		
ϵ E Rhomb- hedral															22	22
ζ Ortho- rhombic	27															

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Note:

Numbers indicate prior synthesis (except for Eu_2S_3 which does not exist) and gives the reference as found in the List of References.

Asterisks indicate the structure was synthesized in the present work.