

TABLE 5
LATTICE PARAMETERS OF RARE EARTH DIANTIMONIDES

Diantimonide	a (Å)	b (Å)	c (Å)
LaSb ₂ Type (8 Molecules/Unit Cell)			
LaSb ₂ *	6.314±.005	6.175±.005	18.56±.01
CeSb ₂ *	6.295±.006	6.124±.006	18.21±.02
PrSb ₂	6.230±.006	6.063±.006	17.89±.02
NdSb ₂ *	6.207±.004	6.098±.004	18.08±.01
NdSb ₂	6.230±.004	6.063±.004	17.89±.02
SmSb ₂ *	6.171±.006	6.051±.006	17.89±.02
GdSb ₂	6.157±.002	5.986±.002	17.83±.01
TbSb ₂	6.123±.006	5.969±.006	17.72±.02
High Pressure Orthorhombic Type (2 Molecules/Unit Cell)			
GdSb ₂	5.930±.003	3.296±.002	8.030±.004
TbSb ₂	5.903±.003	3.282±.002	7.990±.004
DySb ₂	5.888±.003	3.273±.002	7.965±.004
HoSb ₂	5.874±.002	3.266±.001	7.939±.003
ErSb ₂	5.866±.006	3.259±.003	7.926±.008
TmSb ₂	5.851±.002	3.252±.001	7.912±.004
YSb ₂	5.907±.003	3.283±.002	7.981±.004

*Values taken from Wang and Steinfink (1).