

TABLE 6
CELL PARAMETERS OF CUBIC RARE EARTH SESQUISULFIDES

Rare Earth Sesquisulfide (4 Molecules/Cell)	a (Å)
La ₂ S ₃	8.731*
Ce ₂ S ₃	8.630*
Pr ₂ S ₃	8.592*
Nd ₂ S ₃	8.527*
Sm ₂ S ₃	8.448*
Gd ₂ S ₃	8.387*
Tb ₂ S ₃	8.32 **
Dy ₂ S ₃	8.292*
Dy ₂ S ₃	8.2991±.0004
Ho ₂ S ₃	8.2650±.0003
Er ₂ S ₃	8.2445±.0003
Tm ₂ S ₃	8.2248±.0005
Yb ₂ S ₃	8.2242±.0004
Lu ₂ S ₃	8.198 ±.002
Sc ₂ S ₃	No known cubic form
Y ₂ S ₃	8.3056±.0006

*Values taken from Picon et al. (2).

**Value taken from Collin and Lories (6).