$Sr[S_2O_6][H_2O]_4$	*hP*63	(180) $P6_222 - k^5a$

$SrS_2O_6 \cdot 4H_2O$ [1]
Structural features: Layers containing $O_3S\text{-}SO_3$ units (perpendicular to [001], two-fold disorder about [110]) alternate with puckered layers containing Sr atoms and H_2O molecules.

De Matos Gomes E. (1991) [1]
$H_8O_{10}S_2Sr$
$a = 0.63529$, $c = 1.9218$ nm, $c/a = 3.025$, $V = 0.6717$ nm^3, $Z = 3$

site	Wyck.	sym.	*x*	*y*	*z*	occ.	atomic environment
O1	12*k*	1	0.035	0.267	0.22747	0.5	
O2	12*k*	1	0.041	0.273	0.10207	0.5	
S3	12*k*	1	0.0654	0.3749	0.16907	0.5	
O4	12*k*	1	0.328	0.524	0.17277	0.5	single atom S
$(OH_2)5$	12*k*	1	0.4499	0.2559	0.04247		single atom Sr
Sr6	3*a*	222	0	0	0		

Transformation from published data ($P6_422$): new axes -a,-b,-c
Experimental: single crystal, diffractometer, X-rays, wR = 0.040

Remarks: Short interatomic distances for partly occupied site(s). Hydrogen atoms are not taken into consideration for Pearson symbol, Wyckoff sequence and atomic environments. An ordered structure in space group (171) $P6_2$ is reported by the same author in [2].

References: [1] De Matos Gomes E. (1991), Acta Crystallogr. B 47, 12-17. [2] De Matos Gomes E. (1991), Acta Crystallogr. B 47, 7-11.