

	SmM Shutdown Heads Region (EMD-11069) (PDB 6Z47)	SmM Shutdown Whole Molecule (EMD-11070)
Data collection and processing		
Microscope	FEI Titan KRIOS	FEI Titan KRIOS
Detector	GATAN K2	GATAN K2
Voltage (keV)	300	300
Magnification	x 130,000	x 130,000
Total electron exposure (e-/Å ²)	60	60
Exposure time (s)	8	8
Electron exposure per frame (e-/Å ²)	1.5	1.5
Defocus range (µm)	-1.5 to -3.5	-1.5 to -3.5
Pixel size (Å)	1.07	1.07 (3.21 for processing)
Symmetry imposed	C1	C1
Initial particle images (no.)	329,910	90,914
Final particle images (no.)	96,351	52,713
Map resolution (Å)	6.3	9.0
FSC threshold	0.143	0.143
Map resolution range (Å)	2.9-12	
Refinement		
Initial model used (PDB code)	1BR1, 2MYS, 1WDC, 3TS5 and beammotifCC	
Map sharpening <i>B</i> factor (Å ²)	-362	
Model composition		
Non-hydrogen atoms	23399	
Protein residues	2877	
Ligands	8	
R.M.S.D from ideal geometry		
Bond lengths (Å)	0.007	
Bond angles (°)	1.062	
Validation		
MolProbity score	1.23	
Clashscore	1.43	
Poor rotamers (%)	1.38	
Ramachandran plot statistics		
Favored (%)	96.33	
Allowed (%)	3.42	
Disallowed (%)	0.24	