Supplementary Table 1. Data collection and refinement statistics.

	S1dC-Blebbistatin
Data collection	
Space group	$C222_1$
Cell dimensions	
a, *b*, *c* (Å)	88.1, 145.8, 152.9
α, β, γ ( )	118.1, 99.7, 95.4
Resolution (Å)	40-2.0 (2.07-2.0)[a]
R_{merge}	6.1 (26.9)
$I / \sigma I$	24.5 (3.7)
Completeness (%)	99.2 (98.2)
Redundancy	5.8 (5.1)
Refinement	
Resolution (Å)	40-2.0 (2.07-2.0)
No. reflections	392988 (63478)
R_{work} / R_{free}	0.173 / 0.217
No. atoms	
S1dC	5483
Blebbistatin	22
MgADP-Vanadate	33
Waters	726
B-factors	
S1dC	23.3
Blebbistatin	14.7
MgADP-Vanadate	12.4
Waters	35.5
R.m.s deviations	
Bond lengths (Å)	0.022
Bond angles ( )	1.672

All data was collected from a single S1dC_Blebbistatin crystal. [a] Highest resolution shell is shown in parenthesis.