

Table S13.

Data collection and refinement statistics for drug-NQO2 co-crystals (molecular replacement). Data analysis and structure validation was carried out with MOLPROBITY(119) and PHENIX(120).

	<i>NQO2</i> <i>Crenolanib</i> (5LBY)	<i>NQO2</i> <i>Pacritinib</i> (5LBZ)	<i>NQO2</i> <i>Volitinib</i> (5LBW)
Data collection			
<i>Space group</i>	P212121	P212121	P212121
<i>Cell dimensions</i>			
<i>a, b, c (Å)</i>	61.6, 79.4, 106.6	61.4, 79.2, 106.2	57.4, 81.4, 106.4
<i>α, β, γ (°)</i>	90, 90, 90	90, 90, 90	90, 90, 90
<i>Resolution (Å)</i>	44.3 - 1.4 (1.45 - 1.4)a	48.6 - 1.4 (1.45 - 1.4)a	44.5 - 1.9 (1.97-1.9)a
<i>R_{merge}</i>	0.039 (0.276)a	0.045 (0.329)a	0.110 (0.976)a
<i>I/s(I)</i>	22.6 (5.1)a	21.1 (5.3)a	7.5 (1.3)a
<i>CC1/2</i>	0.999 (0.95)a	0.999 (0.93)a	0.996 (0.56)a
<i>Completeness (%)</i>	0.93 (0.90)a	0.95 (0.91)a	0.90 (0.93)a
<i>Redundancy</i>	4.6 (64.4)a	4.5 (4.4)a	4.7 (4.0)a
Refinement			
<i>Resolution (Å)</i>	44.3 - 1.4	48.6 - 1.4	44.5 - 1.90
<i>No. reflections</i>	96,392	97,697	36,195
<i>R_{work} / R_{free}</i>	0.124 / 0.142	0.126 / 0.145	0.238/ 0.247
<i>No. atoms</i>			
<i>Protein</i>	3711	3697	3643
<i>Ligands</i>	174	198	160
<i>Water</i>	436	428	39
<i>B factors</i>			
<i>Protein</i>	14.6	13.1	42.1
<i>Ligands</i>	12.1	14.6	46.6
<i>Water</i>	26.9	25.1	37.7
<i>R.m.s. deviations</i>			
<i>Bond lengths (Å)</i>	0.96	0.96	0.97
<i>Bond angles (°)</i>	6.7	6.6	6.6

^a Values in parentheses are for highest-resolution shell.