**Supporting Information**

The Flavonoid Luteolin, but not Luteolin-7-*O*-glucoside, Prevents a Transthyretin Mediated Toxic Response

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| --- | --- | --- |
| **Data-collection parameters** | **TTRwt-luteolin** | **TTRV30M-luteolin** |
| Wavelength (Å) | 0.9002 | 1.5400 |
| Temperature (K) | 100 | 100 |
| Oscillation range (°) | 0.15 | 0.5 |
| Crystal-to-detector distance (mm) | 184.4 | 60 |
| **Data-integration statistics** |  |  |
| Space group | P21212 | P21212 |
| Unit-cell parameters (Å) | a = 42.6, b = 85.9, c = 63.9 | a = 42.8, b = 85.8, c = 63.7 |
| Resolution limits (Å ) | 38.2-1.12 (1.16 - 1.12) | 23.81 - 1.70 (1.76 - 1.70) |
| Total No. of reflections | 524231 | 228831 |
| No. of unique reflections | 91106 (8981) | 26524 (2500) |
| Multiplicity | 5.7(5.5) | 8.6 (8.4) |
| Completeness (%) | 99.8 (99.9) | 99.59 (95.93) |
| Rmerge† | 0.047 (0.36) | 0.045 (0.31) |
| Mean I/(σ (I) | 17.29 (3.49) | 43.31 (6.07) |
| **Refinement and model building statistics** | | |
| Resolution Range (Å ) | 38-1.12 | 23.81 - 1.70 |
| Rfactor (%) | 13.6(17.2) | 16.2(21.0) |
| Rfree (%) | 15.1(17.6) | 19.7(24.0) |
| No. of protein atoms | 2298 | 2205 |
| No. of water atoms | 250 | 271 |
| No. of ligand/ion | 4/1 | 2/1 |
| **R.m.s. deviations from ideal geometry** |  |  |
| Bond distances (Å ) | 0.012 | 0.007 |
| Bond angles (o) | 1.7 | 1.10 |
| Ramachandran plot |  |  |
| Residues in most favored regions (%) | 98.04 | 98.05 |
| Residues in additional allowed regions (%) | 1.57 | 2.0 |
| Residues in disallowed regions (%) | 0.0 | 0.0 |
| Average B-factor (Å2) | 18.2 | 19.8 |
|  |  |  |
| †Rmerge = ∑hkl ∑i | Ii {hkl} – {I (hkl)} | ⁄ ∑hkl∑i Ii (hkl), where {I (hkl)} is the mean intensity of the observations Ii (hkl) of reﬂection hkl. Rfree isbased upon 5% of the data randomly culled and not used in the refinement. | | |