|  |  |
| --- | --- |
| **Enzyme** | **IC50 (µM)** |
| PARP1FL | 0.021±0.004 |
| PARP2FL | 0.028±0.005 |
| PARP3FL | 0.32±0.002 |
| PARP4brct-cat | 0.35±0.002 |
| PARP5bcat | 2.52±0.2 |
| PARP6FL | 0.18±0.05 |
| PARP7FL | 0.014±0.002 |
| PARP8FL | 4.7±1 |
| PARP10cat | 0.86±0.3 |
| PARP11FL | 0.46±0.02 |
| PARP12cat | >3 |
| PARP14wwe-cat. | >10 |
| PARP15cat | 2.0±0.3 |
| PARP16FL | 4.3±1 |

**Figure 3—source data.** *In vitro* IC50 data for Phthal01 against PARP family members. Phthal01 ( 6-(4-(2-fluoro-5-((4-oxo-3,4-dihydrophthalazin-1-yl)methyl)benzoyl)piperazin-1-yl)nicotinonitrile) was tested against all active PARP family members using an ADP-ribosylation plate assay developed in our lab (Kirby *et al.* 2018). IC50 Data represents ± SEM from at least two biological replicates.