

Table S4. Melflufen and melphalan EC50 and EC90 values in the AMO-1 isogenic *TP53* wt and *TP53*^{-/-} cell lines

Cell line	Melflufen		Melphalan	
	EC50, µM	EC90, µM	EC50, µM	EC90, µM
AMO-1 <i>TP53</i> wt	0.1	0.5	9.0	≥20
AMO-1 <i>TP53</i> ^{-/-}	0.6	2.5	≥20	≥20

Cell lines were treated with either melflufen or melphalan at an 8-point drug concentration range to determine EC50 or EC90 values using a viability