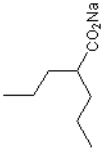
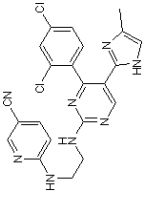
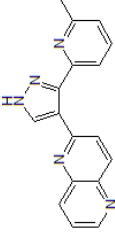
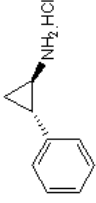
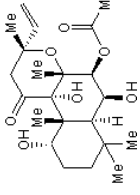
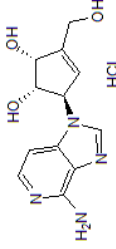
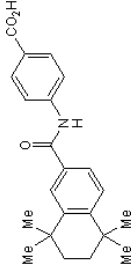
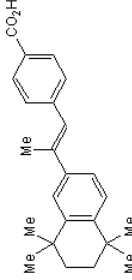
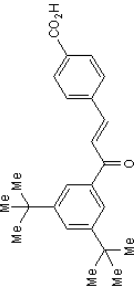
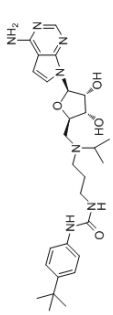


Table S2. Small molecules used in chemical reprogramming

Full Name	Abbreviation	Concentration ( $\mu\text{M}$ )	Source	Molecular Weight	Structure
Valproic acid	VPA, V	500	Sigma, cat. no.P4543	166.19	
CHIR 99021	CHIR, C	10-15	Synthesized by WUXI APPTEC	465.34	
616452	6	2-20	Synthesized by WUXI APPTEC	400.34	
Tranylcypromine	T	10	Enzo, cat. no. BML-EI217-0005	182.23	
Forskolin	F	10-20	Enzo, cat. no. BML-CN100-0100	410.50	
3-deazaneplanocin A	DZNep, Z	0.05	Synthesized by WUXI APPTEC	262.26	
AM580	A	0.05	Tocris, cat. no. 0760	351.44	
TTNPB	N	1	Tocris, cat. no.0761	348.48	

(continued)

Full Name	Abbreviation	Concentration ( $\mu\text{M}$ )	Source	Molecular Weight	Structure
Ch 55	5	1	Tocris, cat. no. 2020	364.47	
EPZ004777	EPZ, E	5	Synthesized by WUXI/APPTTEC	539.67	
PD0325901	PD03, P	1	Synthesized by WUXI/APPTTEC	482.19	