

Table S1. Classification and definition of drugs.

	Small molecules	Biologics (Big molecules)	
		Small biologics	Biologics
Atomic size	20-100 atoms	200-3000 atoms	500-50,000 atoms
Molecular weight	< 900 Dalton	Thousand to hundred thousand Dalton	
Example	Aspirin	Hormones, Cytokines	EPO, Avastin
Usage	Multiple, Mainly oral	Injection	
Production	Natural extraction & Synthetic	Produced by recombinant DNA or Cell culture (E.coli, Yeast, Mammal cell...)	