

MEDICILON

美迪西STAT3新药研发服务

STAT3

STAT3

+

IND

STAT3

STAT3

(signal transducer and activator of transcription, STAT)

STAT3

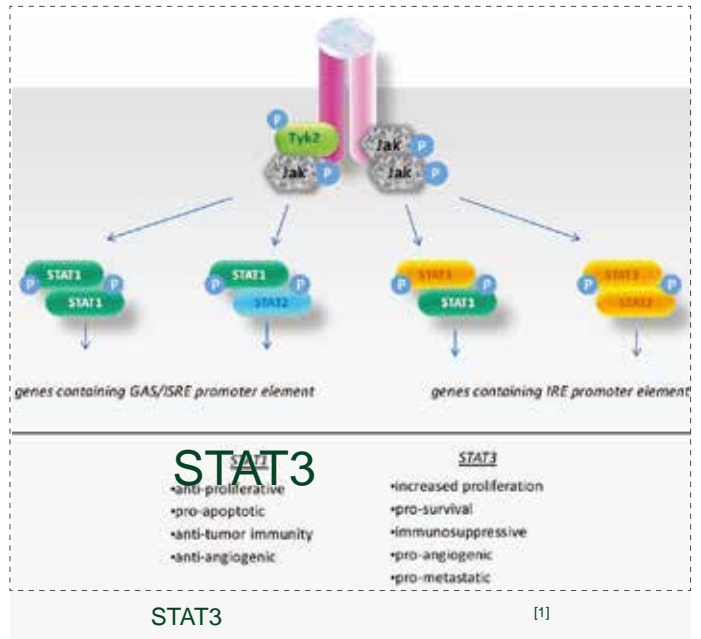
STAT3

STAT3

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STAT3

STAT



STAT3

STAT

STAT1 STAT2 STAT3 STAT4 STAT5A STAT5B STAT6 STAT3

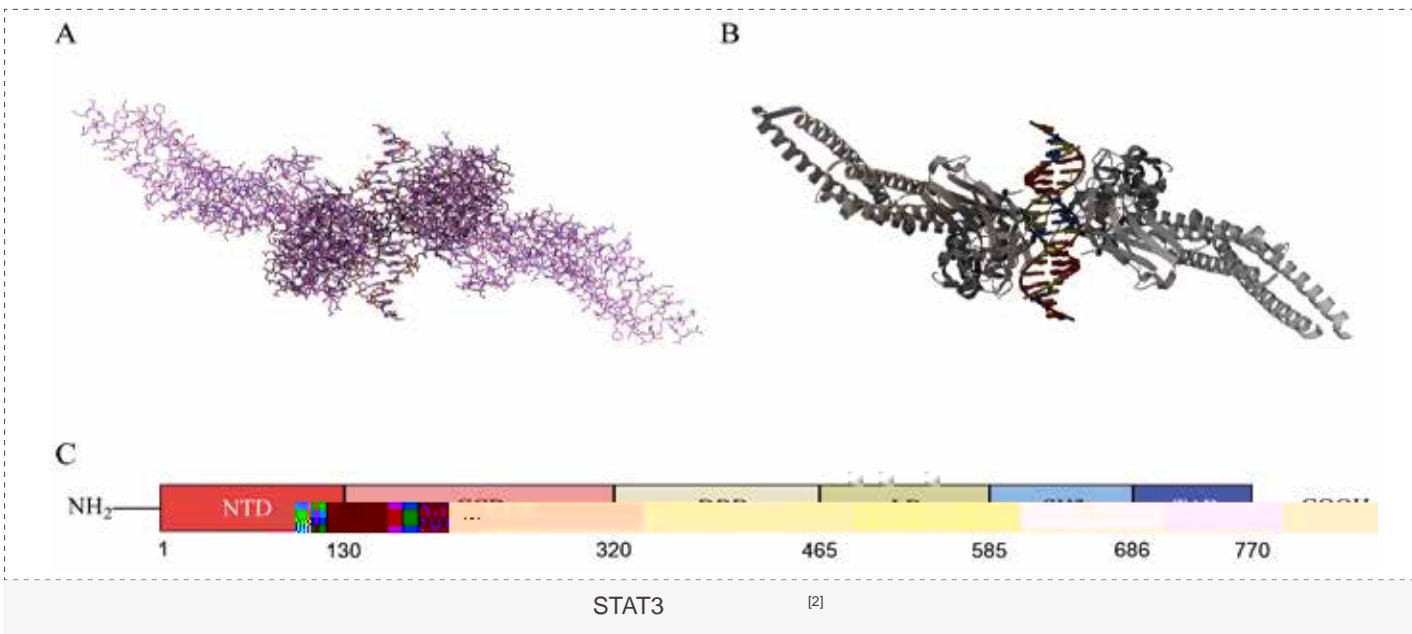
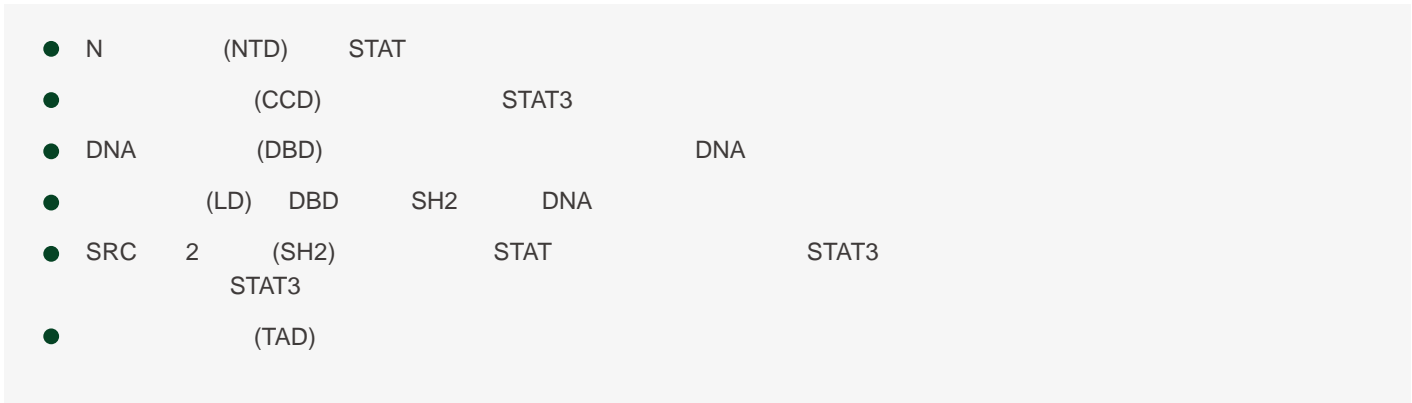
C 55

DNA
770

STAT3

STAT3

17



STAT3

JAK/STAT

(IL)

IL-6

TME

IL-6

IL-6

IL-6

TME

JAK/STAT3

IL-6/JAK/STAT3

JAK

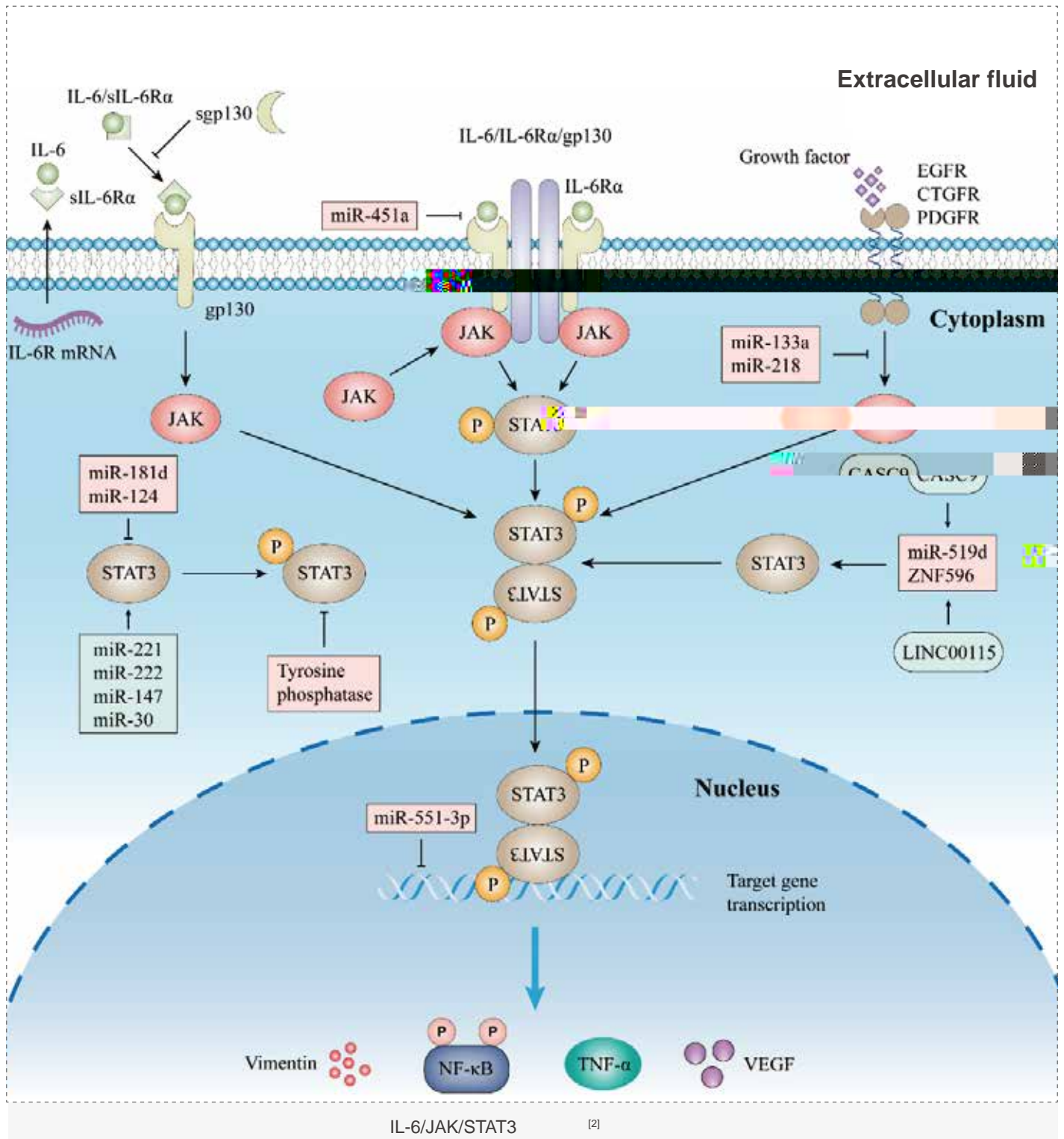
JAK1 JAK2 JAK3

TYK2

JAK3

JAK

(JH1-7)		JH1	JH2	SH2	FERM		
IL-6	IL-6	IL-6			gp130	IL-6/IL-6R/gp130	
JAK	JAK		gp130			STAT3	STAT3
		JAK	STAT3	705			STAT3



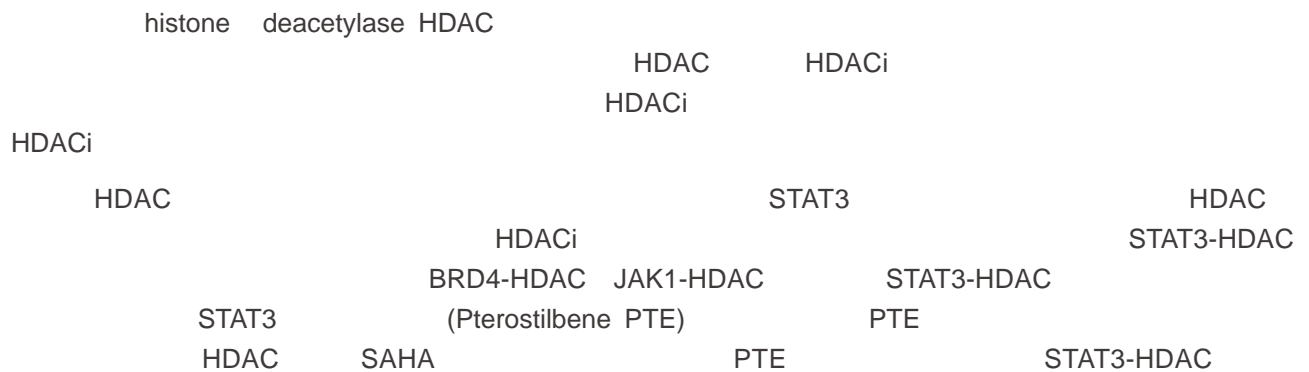
STAT3

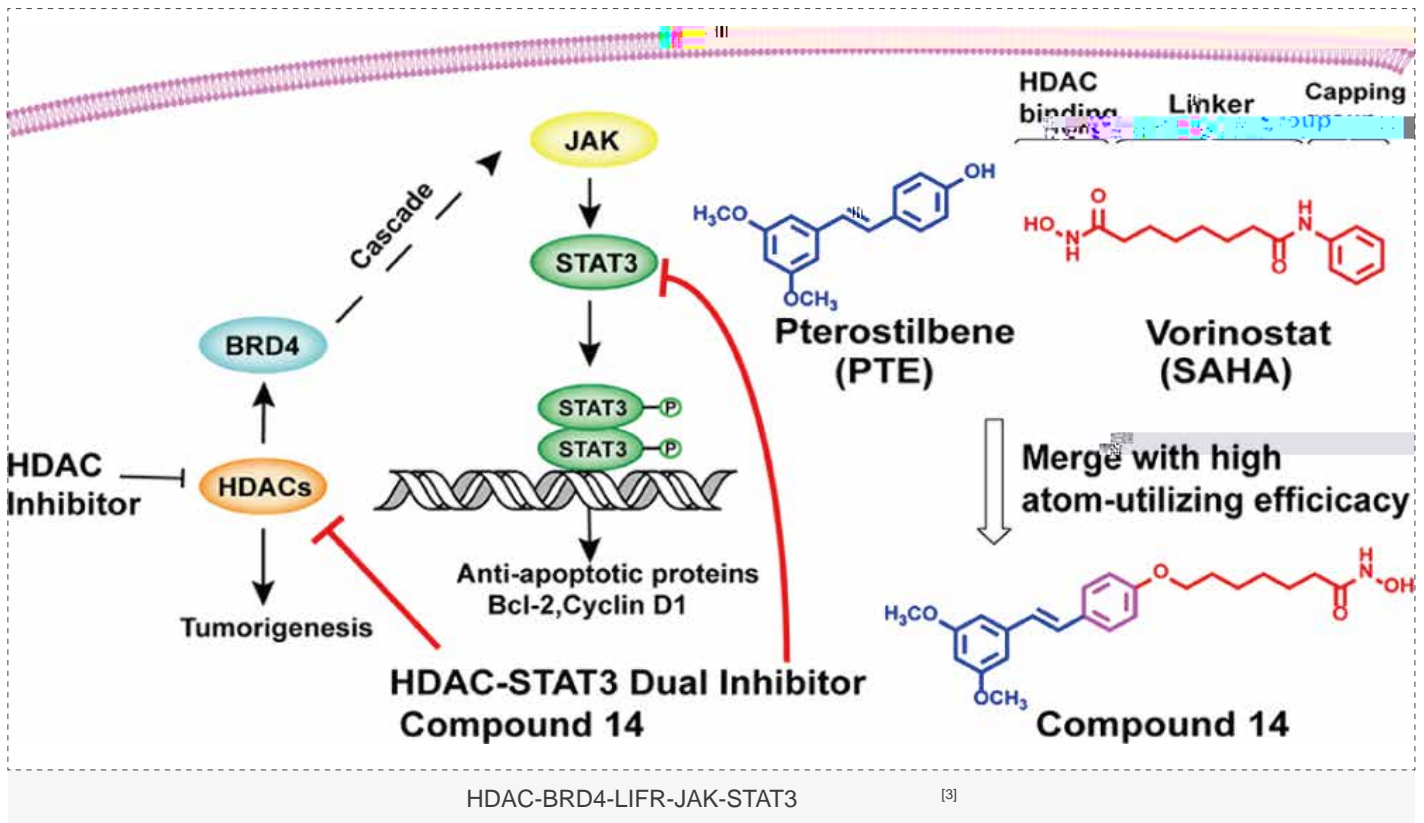
STAT3
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NCT Number	JAK/STAT Inhibitors	Cancer Types	Targets	Phase
NCT03382340	IMX-110	Solid Tumor *	STAT3/NF-kB	I/II
NCT02983578	AZD9150	PC, NSCLC, CRC	STAT3	II
NCT02993731	Napabucasin	PC	STAT3	III

STAT3 [2]

STAT3-HDAC





Compound 14
 HDAC IC₅₀ 23.15 nM
 HCT116 IC₅₀ 53%
 Compound 14 30 mg/kg
 Compound 14 64%
 Compound 14 62%
 Compound 14 15 mg/kg
 Compound 14 54%
 Compound 14 SD
 Compound 14 2 mg/kg
 T_{1/2} 0.47h
 Compound 14 20 mg/kg
 Compound 14 PK
 (CI) 63.89 mL/min/kg
 T_{1/2} 0.88h
 STAT3
 K_D=33 nM
 MDA-MB-231 IC₅₀
 V_{ss} 1.65 L/kg
 F

