

MEDICILON

美迪西STAT3新药研发服务

STAT3

STAT3
+

IND

STAT3

STAT3

STAT3 (Signal transducer and activator of transcription, STAT)

STAT3

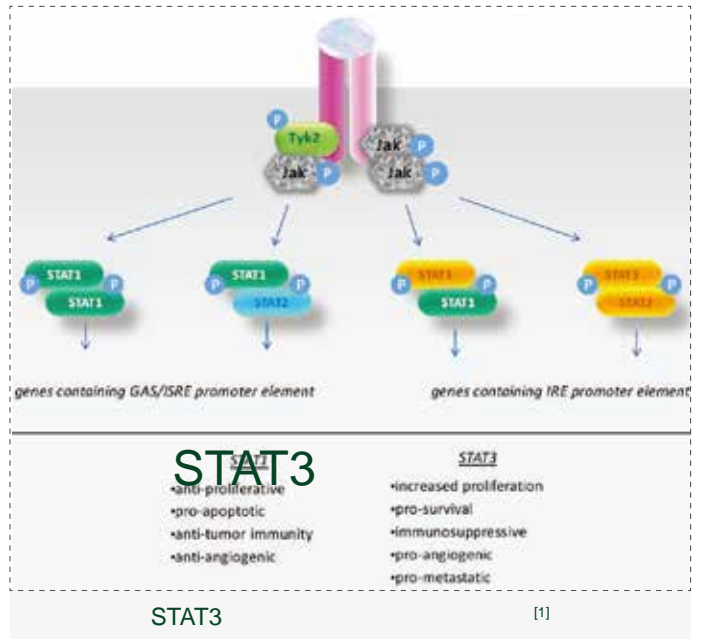
STAT3

STAT

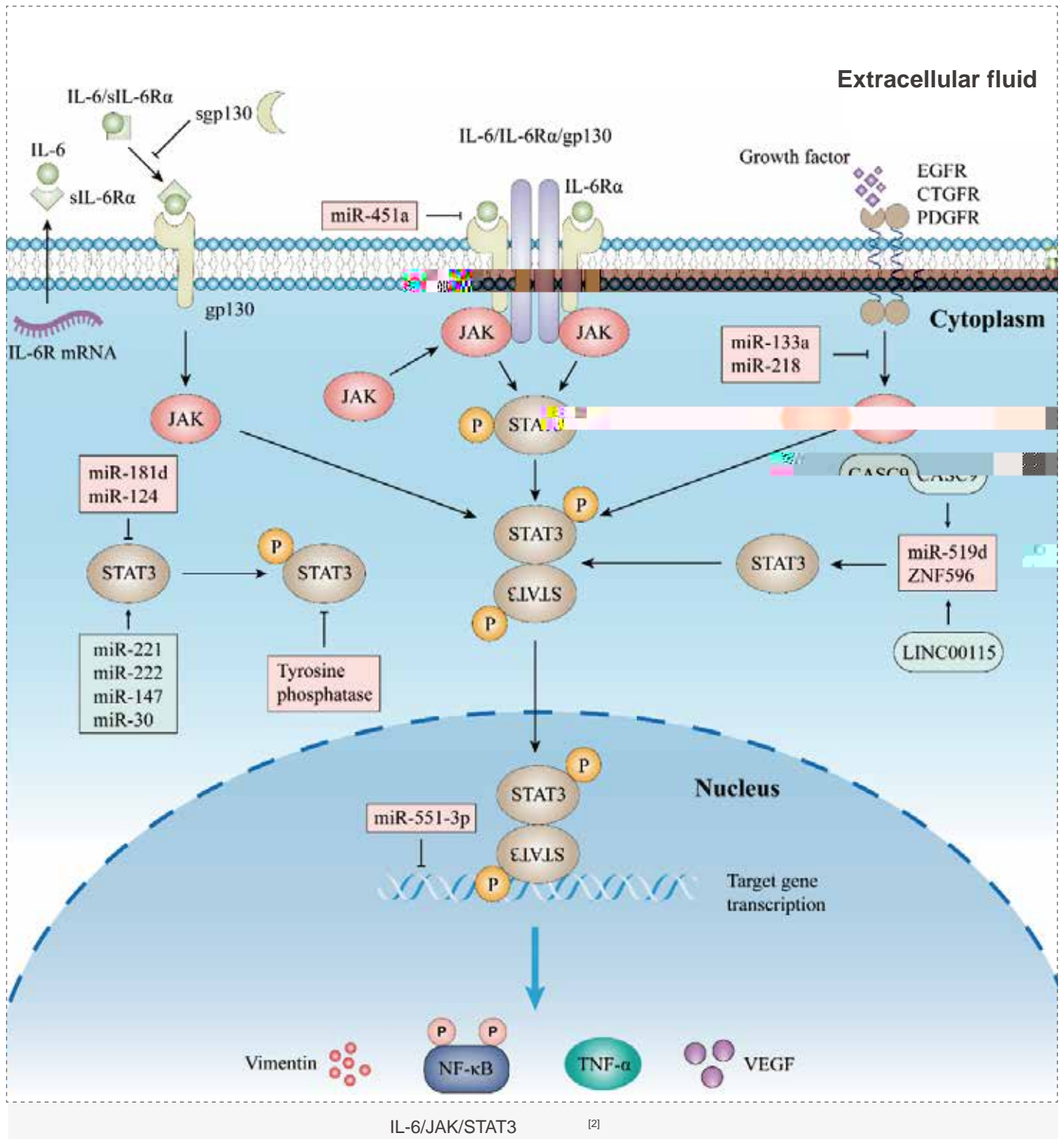
STAT3

STAT3

STAT3



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



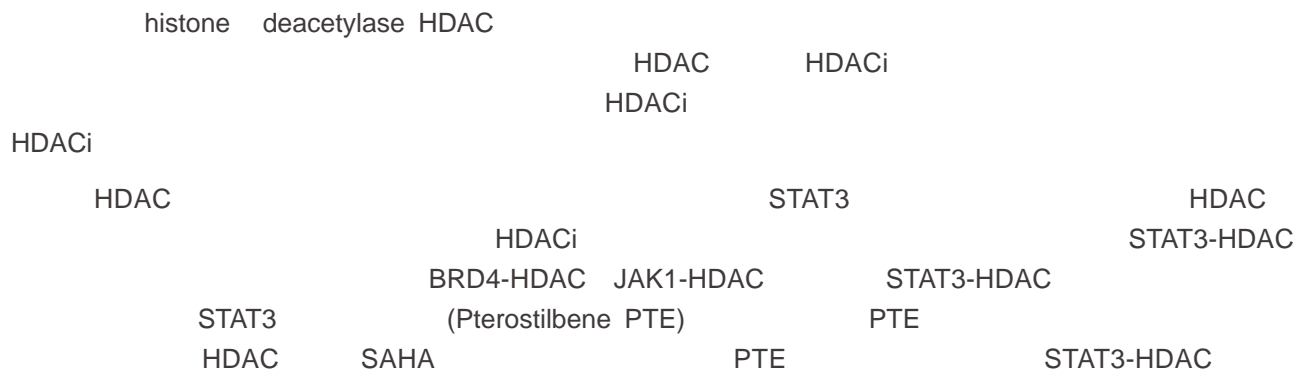
STAT3

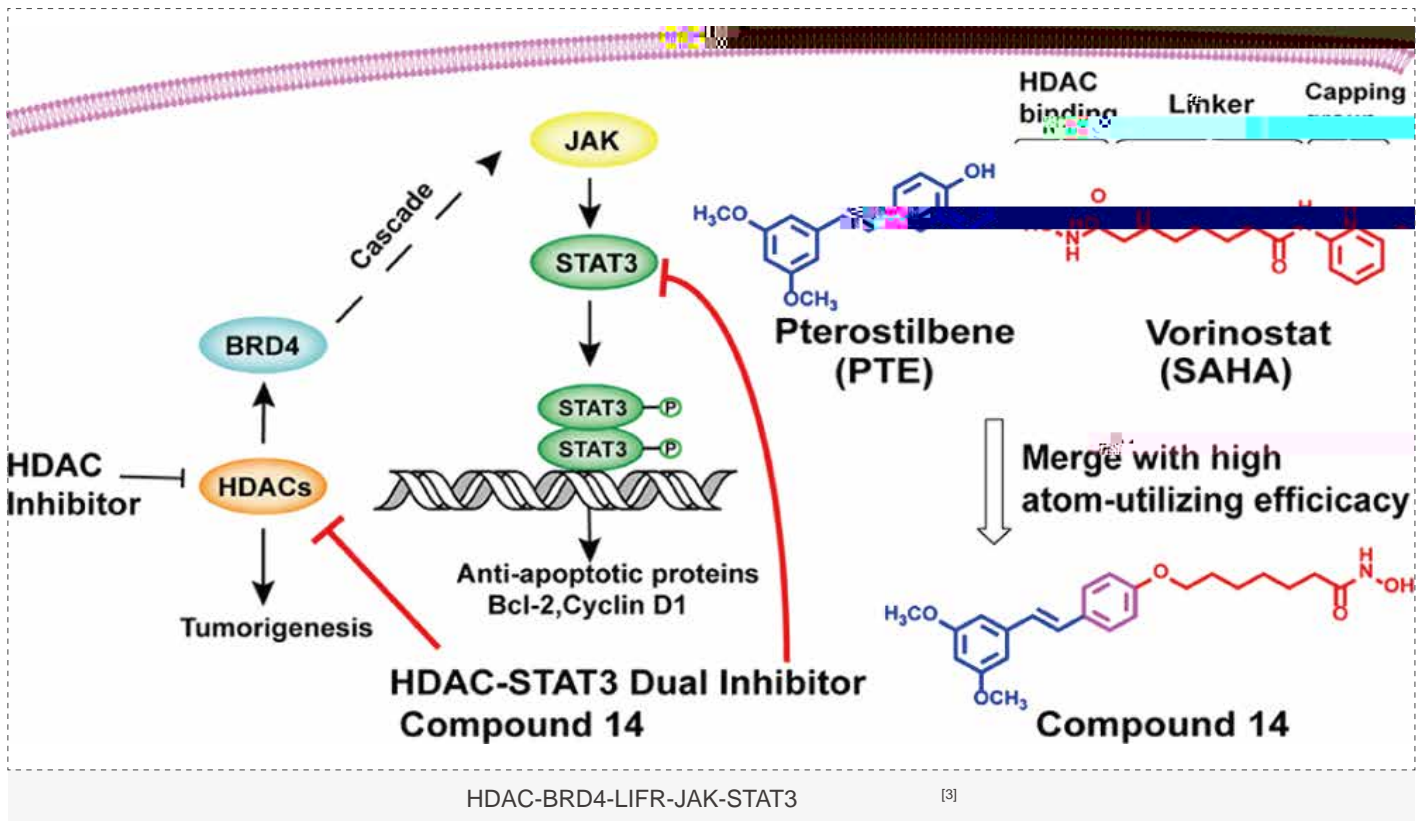
STAT3
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NCT Number	HDAC Inhibitors	Cancer Types	Targets	Phase
NCT02382340	IMY 110	Colorectal Cancer	STAT3, HDAC	I/II
NCT02989578	AZD9150	PC, NSCLC, CRC	STAT3	
NCT02992721	Nonohydroxy...	PC	STAT3	

STAT3 [2]

STAT3-HDAC





Compound 14
 HDAC IC₅₀ 23.15 nM
 HCT116 IC₅₀=1.07 μM

Compound 14
 Compound 14
 Compound 14
 53% 30 mg/kg
 Compound 14

STAT3
 K_D=33 nM
 MDA-MB-231 IC₅₀=0.78 μM

Compound 14 15 mg/kg 54%

Compound 14
 Compound 14 SD
 Compound 14 2 mg/kg
 T_{1/2} 0.47h
 Compound 14 20 mg/kg

PK
 Compound 14 (CI) 63.89 mL/min/kg
 5.81% T_{1/2} 0.88h
 V_{ss} 1.65 L/kg
 F

