Supplementary Table 1. Therapeutic Agents Targeting NETs in Cancer

Target molecules	Agents	Mechanism/Results	Cancers	References
PAD4 inhibitors				
PAD4	Chloroquine	Reduce NET formation through inhibing TLR9 and PAD4 inhibitory.	Pancreatic cancer	[1]
PAD4	ZD-E-1	Inhibited tumor growth and metastasis by reduce PAD4 activity and NETs formation.	Lung cancer, Breast cancer	[2]
PAD4	BB-Cl-amidine	Decreased NF-κB activation and tumor metastasis.	Breast cancer	[3]
PAD4	GSK484	As immunotherapeutic synergy to inhibite NET-mediated barrier protection.	Breast cancer	[4]
PAD4	GSK484	Inhibit tumor metastasis by deplete NETs.	Hepatocellular carcinoma	[5]
DNA inhibitors				
DNA	DNase1	Inhibit NET formation and decrease tumor growth.	Nonalcoholic steatohepatitis to hepatocellular carcinoma	[6]
DNA	DNase 1	Disrupt NET-driven tumor cell capture and metastasis.	Colorectal cancer	[7]
DNA	DNase + PD-1	Reversal of anti-PD-1 blockade resistance through	Colorectal cancer	[8]

		increasing cytotoxicity.		
DNA	AAV-DNase I	Inhibite neutrophil infiltration and NET formation	Colorectal cancer	[9]
DNA	DNase I	Reduce lung metastases.	Breast cancer	[10]
DNA	DNase I	Improve overall radiation response via inhibiting NETs formation.	Bladder cancer	[11]
Chemokines				
IL-8、CXCL2	IL-8 antibody、CXCR2 antibody	Promote Diffuse Large B-cell Lymphoma Progression via blocking IL8-CXCR2 axis.	Diffuse large B-cell lymphoma	[12]
IL-8	IL-8 antibody	Regulate the HMGB1/RAGE/IL-8 axis via neutralizing IL-8.	Glioma	[13]
CXCR1/2	Reparixin	As CXCR1/2 inhibitor to inhibite NET-mediated barrier protection.	Breast cancer	[4]
IL-17	IL17/IL17R antibodies	Increase immune checkpoint blockade sensitivity via IL17/IL17R neutralization.	Pancreatic cancer	[14]
TCM				
ROS	Danshen(Sal B and DHT I)	Inhibite NETs formation via blocking the activity of MPO and NADPH.	Gastric cancer	[15]
Related to the deactivation of PAD4	Huang Qin Decoction	Inhibits the initiation of colitis associated carcinogenesis by	Colorectal cancer	[16]

		decreasing NETs formation.		
NADPH/ROS-NETs signalling	Kaempferol	Decreased NET formation and tumour metastasis via suppressing ROS production.	Breast Cancer	[17]
Nanodrugs				
DNA	mP-NPs-DNase/PTX	Degrade NETS structure.	Non-small cell lung cancer and breast cancer	[18]
DNA	GODM-gel	Buffer tumor acidity and degrade NETs to enhance NK cell cytotoxic function.	Hepatocellular carcinoma	[19]
DNA	PLGA-PD-DNase 1	Inhibit tumor metastasis by degrading NETs structure.	Lung metastasis of breast cancer	[10]
DNA	PR@DNase I-PLGA@Gel	Wreck NETs and inhibit lung metastasis	Lung cancer	[20]
DNA	PAAP/DNase 1	Induce tumor-cell apoptosis and decompose NETS-DNA to prevent NETs-induced tumor metastasis to the liver.	Liver metastasis in CT26 colon cancer and 4TI breast cancer	[21]
DNA	DNase 1+AuPB/mPDA shell	Degrade NETs to expose tumors to immune cells and prevent circulating tumor cells capture.	Colorectal cancer	[7]

NETosis	ZD-E-I	Reduce the growth and metastasis of tumors by Inhibiting histone-3 citrullination and NETs.	Solid tumorst	[2]
NETosis	LA/DOX NPS	Inhibit NETs generation by blocking the NF-kB signaling pathway and P-SEL.	Breast cancer	[22]

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