Table S1. The identified primary bioactive alkaloid content in CKI by HPLC

Alkaloid	Molecular formula	Concentration
Oxymatrine	$C_{15}H_{25}O_2N_2$	9.18mg/ml
Oxysophocarpine	$C_{15}H_{23}O_2N_2$	1.9mg/ml
Matrine	$C_{15}H_{25}ON_2$	1.66mg/ml
Sophocarpine	$C_{15}H_{23}ON_2$	0.45mg/ml

Table S2. Mouse primer sequences for real-time PCR.

Targets		Primer sequence (5'-3')
GAPDH	Forward	ATGTTCCAGTATGACTCCACTCAC
	Reverse	GACACAGTAGACTCCACGACATA
β-actin	Forward	AGAGGGAAATCGTGCGTGAC
	Reverse	CAATAGTGATGACCTGGCCGT
IL-12α	Forward	CTGTGCCTTGGTAGCATCTATG
	Reverse	GCAGAGTCTCGCCATTATGATTC
INOS	Forward	CTGGTGGTGACAAGCACATTT
	Reverse	ATGTCATGAGCAAAGGCGCAGAAC
IL-1β	Forward	AAGAGCTTCAGGCAGGCAGTATCA
	Reverse	TGCAGTTGTCTAATGGGAACGTCA
IL-6	Forward	GAGGATACCACTCCCAACAGACC
	Reverse	AAGTGCATCATCGTTGTTCATACA
TNF-α	Forward	CCCTCACACTCAGATCATCTTCT
	Reverse	GCTACGACGTGGGCTACAG
MIP1-α	Forward	TTCTCTGTACCATGACACTCTGC
	Reverse	CGTGGAATCTTCCGGCTGTAG
Cox-2	Forward	CCCTGCTGCCCGACACCTTC
	Reverse	CCAGCAACCCGGCCAGCAAT
Cxcl-1	Forward	TGGGATTCACCTCAAGAACA
	Reverse	TTTCTGAACCAAGGGAGCTT
CD14	Forward	CTCTGTCCTTAAAGCGGCTTAC
	Reverse	GTTGCGGAGGTTCAAGATGTT
IFN-β	Forward	CAGCTCCAAGAAAGGACGAAC
	Reverse	GGCAGTGTAACTCTTCTGCAT
Arg-1	Forward	ACCTGGCCTTTGTTGATGTCCCTA
	Reverse	AGAGATGCTTCCAACTGCCAGACT
IL-10	Forward	TGCACTACCAAAGCCACAAGGCAG
	Reverse	AGTAAGAGCAGGCAGCATAGCAGT
CD206	Forward	CTCGTGGATCTCCGTGACAC
	Reverse	GCAAATGGAGCCGTCTGTGC
mMGL1	Forward	ATGATGTCTGCCAGAGAACC
	Reverse	ATCACAGATTTCAGCAACCTTA
mMGL2	Forward	GATAACTGGCATGGACATATG
	Reverse	TTTCTAATCACCATAACACATTC
Fizz-1	Forward	ACTGCCTGTGCTTACTCGTTGACT
	Reverse	AAAGCTGGGTTCTCCACCTCTTCA
CD163	Forward	ATGGGTGGACACAGAATGGTT
	Reverse	CAGGAGCGTTAGTGACAGCAG
Retn1a	Forward	ACTGCCTGTGCTTACTCGTTGACT
	Reverse	AAAGCTGGGTTCTCCACCTCTTCA
Clec10a	Forward	ATGATGTCTGCCAGAGAACC
	Reverse	ATCACAGATTTCAGCAACCTTA

IL-4	Forward	GGTCTCAACCCCCAGCTAGT
	Reverse	GCCGATGATCTCTCTCAAGTGAT
Perforin	Forward	AGCACAAGTTCGTGCCAGG
	Reverse	GCGTCTCTCATTAGGGAGTTTTT
IFN-γ	Forward	ATGAACGCTACACACTGCATC
	Reverse	CCATCCTTTTGCCAGTTCCTC
Granzyme-B	Forward	CCACTCTCGACCCTACATGG
	Reverse	GGCCCCCAAAGTGACATTTATT
Lag-3	Forward	CTGGGACTGCTTTGGGAAG
	Reverse	GGTTGATGTTGCCAGATAACCC
PD-1	Forward	ACCCTGGTCATTCACTTGGG
	Reverse	CATTTGCTCCCTCTGACACTG
TIGIT	Forward	CCACAGCAGGCACGATAGATA
	Reverse	CATGCCACCCCAGGTCAAC
Tim-3	Forward	TCAGGTCTTACCCTCAACTGTG
	Reverse	GGCATTCTTACCAACCTCAAACA
CSF2Rα	Forward	CTGCTCTTCTCCACGCTACTG
	Reverse	GAGACTCGCCGGTGTATCC
IFN-α/βR	Forward	AGCCACGGAGAGTCAATGG
	Reverse	GCTCTGACACGAAACTGTGTTTT
IFN-γR	Forward	CTGGCAGGATGATTCTGCTGG
	Reverse	GCATACGACAGGGTTCAAGTTAT
TLR4	Forward	ATGGCATGGCTTACACCACC
	Reverse	GAGGCCAATTTTGTCTCCACA
TNFR1	Forward	CCGGGAGAAGAGGGATAGCTT
	Reverse	TCGGACAGTCACTCACCAAGT

Table S3 Primary antibodies information

Product code	Name	Dilution range	Company
ab19139	TNF Receptor I	1:500	Abcam
3694	TRADD	1:1000	CST
3493	RIP1	1:1000	CST
4724	TRAF2	1:1000	CST
5206	TAK1	1:1000	CST
9339	Phospho-TAK1	1:1000	CST
Sc-166138	TAB1	1:500	Santa Cruz
2370	IKKβ	1:1000	CST
2697	Phospho-IKKα/β	1:1000	CST
9242	IκBα	1:1000	CST
2859	Phospho- IκBα	1:1000	CST
4764	NF-κB P65	1:1000	CST
3033	Phospho- NF-κB P65	1:1000	CST
9212	P38 MAPK	1:1000	CST
9211	Phospho- P38 MAPK	1:1000	CST
9252	SAPK/JNK	1:1000	CST
9251	Phospho- SAPK/JNK	1:1000	CST
9102	P44/42 MAPK (ERK1/2)	1:1000	CST
9101	Phospho- P44/42 MAPK (ERK1/2)	1:1000	CST
2118	GAPDH	1:1000	CST
7074	Anti-rabbit IgG HRP-linked	1:2000	CST
7076	Anti-mouse IgG HRP-linked	1:2000	CST
5127	Anti-rabbit IgG (conformation specific)	1:2000	CST
Sc-516102	m-IgGκ BP-HRP	1:2000	Santa Cruz