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Supplementary Material

1 Supplementary Data

1.1 Supplementary Tables

Supplementary Table 1. Active metabolites of TCM interventions targeting UC

Name	Source	Study type	Animal /cell model	Dosage and duration	Optimal Dose	Control group	Mechanisms	Reported targets	Result	Reference
Citrus unshiu peel water extract	*Citrus reticulata* Blanco [Rutaceae; Citri Reticulatae Pericarpium] (Chen pi)	In vivo	DSS-induced UC in Balb/c mice	100 and 200 mg/kg*9 d	200 mg/kg	Sulfasalazine	PI3K/Akt	iNOS、Cox-2、TNF-α、IL-6、IL-1β↓; ROS、NOX2、MDA、NADPH↓; Bax、caspase-3↓, Bcl-2 and survivin↑	Modulated inflammatory response; Alleviated oxidative stress; Regulated apoptosis	(Le et al., 2022)
Resveratrol	*Smilax glabra* Roxb. [Smilacaceae; Smilacis Glabrae Rhizoma] (Tufuling)	In vivo	DSS-induced UC in BALB/c mice	100 mg/kg*7 d	-	Sulfasalazine	PI3K/Akt/VEGFA	IL-6、IL-8、IL-1β、TNF-α↓, IL-10↑; *Clostridium*、*Roseburia*、*Akkermansia*↑	Modulated inflammatory response; Restored gut microbiota equilibrium	(Zhu et al., 2021)
Herba Origani Extract	*Origanum vulgare* L. [Lamiaceae;	In vivo	DSS-induced UC	0.125, 0.25, 0.5 and 1g/kg*10 d	-	Sulfasalazine	PI Pathway	IL-1β、TNF-α↓; Claudin-1、Occludin↑;	Modulated inflammatory response;	(Yu et al.,

Pulvis	Herba Origani] (Niu zhi)		in C57BL/6 mice					*Bacteroidota*, *Prevotellaceae UCG-001*、*Ruminococcaceae*↑, *Escherichia-Shigella*、*Desulfovibrio*、*Firmicutes/Bacteroidetes*↓; SCFAs、Deoxycholic acid、Hyodeoxycholic acid↑	Restored gut microbiota equilibrium; Repaired the intestinal barrier; Regulated bile acid and SCFA metabolism	2023)
Paeonif lorin	*Paeonia lactiflora* Pall. [Paeoniaceae; Paeoniae Radix Alba] (Baishao)	In vivo	DSS-induced UC in C57BL/6 mice	25, 50 and 100 mg/kg*7 d	100 mg/kg	Mesalazine	PI3K-Akt-mTOR	TNF-α、IL-1β↓; Lgr5、Sox9 and Ascl2↑; Ki67、ChgA、Muc2、Lyz、Villin↑; PARP1/PARP1、Bax↓; Bcl-2↑	Modulated inflammatory response; Regulated apoptosis; Promoted renewal and differentiation of intestinal stem cells to improve growth and repaired of colonic-like organs	(Ma et al., 2023)
		In vitro	LPS-injured IEC-6 cells	25, 50 and 100 μM*48 h	-	-				
		In vitro	TNF-α-induced colon organoids	25, 50, 100, and 200 μM*72 h	-	MK-2206、Rapamycin				
-	*Bletilla striata*	In vivo	DSS-induced	1, 2 and 4 g/kg*7 d	4 g/kg	Mesalazine	EGFR/PI3K/Akt	TNF-α、IL-6↓	Modulated inflammatory	(Gong

	(Thunb.) Rchb.f. [Orchidaceae; Bletillae Rhizoma] (Baiji)		UC in C57BL/6 mice						response	et al., 2023)
Bisdemethoxycurcumin	*Curcuma longa* L. [Zingiberaceae; Curcumae Longae Rhizoma] (Jianghuang)	In vitro	LPS-stimulated RAW264.7 cells	2.5 μM*25 h	2.5 μM	-	PI3K/Akt	IL-6、IL-1β、TNF-a、MCP-1↓	Modulated inflammatory response	(Wu et al., 2023)
Mogroside V	*Siraitia grosvenorii* (Swingle) A.M.Lu & Z.Y.Zhang [Cucurbitaceae; Siraitiae Fructus] (Luohanguo)	In vivo	DSS-induced in ICR mice	100 mg/kg/*14 d	-	Sulfasalazine	AMPK-PI3K/Akt/mTOR	IL-1β、TNF-α、IL-6、COX-2、AP-1/HO-1、iNOS↓	Modulated inflammatory response	(Zhou et al., 2021)
		In vitro	LPS-stimulated RAW264.7 cells	25, 50 and 100 μg/mL*16 h	-	Dexamethasone				
Dehydroevodiamine	*Tetradium ruticarpum* (A.Juss.) T.G.Hartley [Rutaceae; Evodiae Fructus] (Wuzhuyu)	In vivo	DSS-induced UC in SD mice	20 and 40 mg/kg*7 d	-	5-ASA	PI3K/Akt/NF-κB	IL-1β、IL-6、TNF-α↓; MDA↓, HO-1、SOD↑; ZO-1、occludin↑; Bax and Caspase-3↓; *Allobaculum*、	Modulated inflammatory respons; Repaired the intestinal barrier; Alleviated oxidative stress; Restored gut	(Ma et al., 2024)

								Clostridium、*Escherichia*、*Enterococcusand*、*Barnesiella*↓, *Lactobacillus*、*BifidobacteriumandSMB53*↑	microbiota equilibrium;	
Codonopsis pilosula aqueous extract	*Codonopsis pilosula* (Franch.) Nannf. [Campanulaceae; Codonopsis Radix] (Dangshen)	In vivo	TNBS induced UC in SD rats	4.5, 9 and 18 g/kg*7 d	-	Sulfasalazine	PI3K/Akt	IL-1β、IL-6、IL-8、IL-17、PCT、GRP↓; GSH、SOD↑, MDA、MPO↓; ATPase↑	Modulated inflammatory response ; Alleviated oxidative stress;	(Li et al., 2024)
Patchouli Essential Oil	*Pogostemon cablin* (Blanco) Benth. [Lamiaceae; Pogostemonis Herba] (Guanghuoxiang)	In vivo	DSS-induced UC in ICR mice	25, 50 and 100 mg/kg*11 d	100 mg/kg	-	PI3K/Akt	TNF-α、IL-1β↓; GSH↑, MPO↓; *Bacteroidetes*、*Verrucomicrobia*、*S24-7*、*Lactobacillus*、*Prevotella and Akkermansia*↑, *Firmicutes*、*Actinobacteria*、*Staphylococcaceae*、*Corynebacteriaceae*、*Staphylococcus*、	Modulated inflammatory response; Alleviated oxidative stress; Restored gut microbiota equilibrium	(Huang et al., 2025)

Sanguisorba officinalis ethyl acetate extract	*Sanguisorba officinalis* L. [Rosaceae; Sanguisorbae Radix] (Diyu)	In vivo	DSS-induced UC in ICR mice	5, 10 and50 mg/kg*7 d	50 mg/kg	5-ASA	PI3K-Akt/NF-κB/STAT3	*Lactobacillus*↓ TNF-α、IL-1β、IL-6、iNOS↓; fibroblasts/macrophages↓, granulocytes、T cells↑; mucin glycoprotein↑	Modulated inflammatory response; Regulated macrophages; Repaired the intestinal barrier	(Li et al., 2023)
		In vitro	LPS-stimulated RAW264.7 cell	-	-	-				
Platycodin D	*Platycodon grandiflorum* (Jacq.) A.DC. [Campanulaceae; Platycodonis Radix] (Jiegeng)	In vivo	DSS-induced UC in C57BL/J mice	10 mg/kg*14 d	-	-	PI3K-Akt	TNF-α、IL-6、IL-1β↓, IL-10↑; iNOS、CD86↓, Arg1、CD206↑; TJP1、OCLN↑	Modulated inflammatory response; Regulated macrophage polarization; Repaired the intestinal barrier	(Guo et al., 2021)
		In vitro	LPS-induced in RAW264.7 cells	2.5 and 5 μM*18 h	-	-				
Oxymatrine	*Sophora flavescens* Aiton [Fabaceae; Sophorae Flavescentis Radix] (Kushen)	In vivo	DSS-induced UC in BALB/c mice	25, 50, 100 mg/kg*7 d	50 mg/kg	LY294002	PI3K/Akt	TNF-α、IL-6、IL-1β、Th1/Th17↓、IL-10↑; Caspase3、Caspase9、Bad↑, Bcl-2↓	Modulated inflammatory response; Regulated cell apoptosis	(Chen et al., 2017)

Baicalin	*Scutellaria baicalensis* Georgi [Lamiaceae; Scutellariae Radix] (Huangqin)	In vivo	TNBS-induced UC in SD rats	100 mg/kg*14 d	-	LY294002、IGF-1	PI3K/Akt	TNF-α、IL-6、IL-1β↓，IL-10↑; HT-29、caspase-3、caspase-9、Bax、FasL↓, Bcl-2↑; β-catenin、ZO-1↑	Modulated inflammatory response; Inhibits of apoptosis in intestinal epithelial cells; Repaired the intestinal barrier	(Wang et al., 2022a)
		In vitro	LPS-induced HT-29 cells	-	-	LY294002、IGF-1				
-	*Cimicifuga heracleifolia* Kom. [Ranunculaceae; Cimicifugae Rhizoma] (Shengma)	In vivo	DSS-induced UC in C57BL/6 mice	0.17, 0.5 and 1.5 g/kg*7 d	1.5 g/kg	Sulfasalazine	PI3K/Akt/NF-κB	IL-6、IL-1β、TNF-a、iNOS、COX-2↓; Claudin-1、Occludin、ZO-1、Mucin-2↑	Modulated inflammatory response;, 。 Repaired the intestinal barrier	(Wu et al., 2025)
Berberine	*Coptis chinensis* Franch. [Ranunculaceae; Coptidis Rhizoma] (Huanglian)	In vivo	DSS-induced UC in C57BL/6 mice	25, 50 and 100 mg/kg*7 d	100 mg/kg	Sulfasalazine	PI3K/Akt/mTOR	TNF-α、IL-6、IL-1β↓; DAO、D-LA↓	Modulated inflammatory response	(Meng et al., 2024)
		In vitro	LPS-induced RAW264.7 cells	3.125, 6.25, and 12.5 μM*24h	-	Small interfering RNA				

Astragaloside IV	*Astragalus membranaceus* Bunge [Fabaceae; Astragali Radix] (Huangqi)	In vivo	DSS-induced UC in C57BL/6 mice	100 and 150 mg/kg*10 d	-	5-ASA	PI3K/Akt	IL-6、IL-1β、TNF-α↓; ZO-1、Occludin、Claudin-5、Claudin-7、Villin↑; Claudin-2↓; *Alloprevotella*、*ruminococcaceae_UCG-014*、*Akkermansia*↑	Modulated inflammatory response;, Repaired the intestinal barrier; Restored gut microbiota equilibrium	(Zhang et al., 2024)
		In vitro	LPS-stimulated Caco-2 cells	150 μM*24h	-	LY294002				
Aloin A	*Aloe vera* (L.) Burm.f. [Asphodelaceae; Aloe] (Luhui)	In vivo	DSS-induced UC in SD rats	18 and 72 mg/kg*10 d	-	5-ASA	PI3K/Akt	IL-6、IL-1β、NO、TNF-α↓, IL-10↑; MUC2、MUC5AC↑	Modulated inflammatory response; Repaired the intestinal barrier	(Shi et al., 2021)
		In vitro	LPS-stimulated LS174T cells	-	-	-				
Puerariae lobata polysaccharide	*Pueraria montana var. lobata* (Willd.) Maesen & S.M.Almeida ex Sanjappa & Predeep [Fabaceae; Puerariae Lobatae	In vivo	DSS-induced UC in C57BL/6 mice	50, 100 and 200mg/kg*7 d	-	5-ASA	PI3K/Akt	IL-6、IL-1β、TNF-a↓; Caco-2↓; ZO-1、occludin、claudin-1↑	Modulated inflammatory response; Repaired the intestinal barrier ; Restored gut microbiota equilibrium	(Zhang et al., 2023)
		In vitro	DSS-induced Caco-2 cells	0, 10, 20, and 40 μg/mL*24h	-	PI3K siRNA				

	Radix] (Gegen)									
Rhein	*Rheum palmatum* L. [Polygonaceae; Rhei Radix et Rhizoma] (Dahuang)	In vivo	DSS-induced UC in BALB/c mice	12.5, 25 and 50 mg/kg*7 d	50 mg/kg		PI3K/Akt/mTOR	TNF-α、IL-6、IL-1β↓; *Unspecified-S24-7*、*Rikenellaceae*↑, *Enterobacteriaceae*、*Turicibacter*↓	Modulated inflammatory response; Restored gut microbiota equilibrium	(Dong et al., 2022)
		In vitro	LPS-stimulated RAW 264.7 cells	10, 20 and 40 μM* 25 h	-	SC79				
Quzhou Aurantii Fructus Flavonoids	*Citrus* × *aurantium* L. [Rutaceae; Aurantii Fructus Immaturus] (Zhishi)	In vivo	DSS-induced UC in C57BL/6 mice	50, 100 and 200 mg/kg*11 d	-	5-ASA	PI3K/Akt	TNF-α, IL-6、IL-1β↓，IL-10↑;Claudin-1、Occludin、ZO-1、Claudin-1↑; *Lachnospiraceae_NK4A136_group*、*Alloprevotella*↓，*Escherichia-Shigella*、*Parabacteroides*↑; SCFAs、PE、PC↑	Modulated inflammatory response; Repaired the intestinal barrier; Restored gut microbiota equilibrium	(Wang et al., 2025)

Ginseng-derived nanocellulose	*Panax ginseng* C.A.Mey. [Araliaceae; Ginseng Radix et Rhizoma] (Renshen)	In vivo	DSS-induced UC in BALB/c mice	10, 25 and 50 mg/kg*7 d	-	-	PI3K/Akt-NF-κB	TNF-α、IL-6、IL-1β、IL-17↓;ZO-1、Occludin、MUC2↑; *Muribaculum*、*Lachnoclostridium*、*NK4A214_group*、*Desulfovibrio*↑, *Alloprevotell*、*Parasutterella*↓	Repaired the intestinal barrier; Restored gut microbiota equilibrium	(Liu et al., 2025b)
		In vitro	LPS-induced in RAW 264.7 cells	15.625-500μg/mL*24h	-	-				
		In vitro	Caco-2 cells and organoids	15.625, 31.25, 62.5, 125, 250, and 500μg/mL*24 h 62.5, 125, 250 μg/mL*24 h	-	-				
Isovitexin	*Dendrobium officinale* Kimura & Migo [Orchidaceae; Dendrobii Officinalis Caulis] (Tiepi Shihu)	In vivo	DSS-induced UC in C57BL/6 mice	50 and 100 mg/kg*7 d	-	-	PI3K/Akt	IL-1β、IL-6、TNF-α↓;ZO-1、Occludin↑;SCFAs↑; *Firmicutes/Bacteroidetes*、*Odoribacter*、*CAG-485*、*Parabacteroides*	Modulated inflammatory response; Repaired the intestinal barrier; Restored gut microbiota equilibrium	(Dai et al., 2025)

	In vitro	LPS-induced in RAW 264.7 cells	400 μg/mL*24 h	-	Indomethacin		、*Cryptobacteroides*、*Duncaniella*、*UBA3263*、*Limosilactobacillus*、*Aerococcus*↑;*Bacteroides*、*Prevotella*、*Bacteroides*、*Phocaeicola*、*Ruminococcus*↓	

Supplementary Table 2. TCM formulas targeting UC treatment

Form	Formula	Study type	Animal/cell model	Dosage and duration	Optimal Doses	control group	Mechanisms	Reported targets	result	Refe ce
Baphicacanthus cusia (Nees) Bremek. [Acanthaceae; Indigo Naturalis] (Qingdai) *Arnebia euchroma* (Royle ex Benth.) I.M.Johnst.	Qingzi Zhitong decoction	In vivo	TNBS/ethanol mixture induced UC in SD rats	8.6 g/kg*10d	-	-	PI3K/Akt	TNF-α、IL-6、IL-1β↓	Modulated inflammatory response	(Sh et a 202

[Boraginaceae; Arnebiae Radix] (Zicao) *Bletilla striata* (Thunb.) Rchb.f. [Orchidaceae; Bletillae Rhizoma] (Baiji) *Corydalis yanhusuo* W.T.Wang [Papaveraceae; Corydalis Rhizoma] (Yuanhu) *Reynoutria japonica* Houtt. [Polygonaceae; Polygoni Cuspidati Rhizoma et Radix] (Huzhang) *Pueraria montana var. lobata* (Willd.) Maesen & S.M.Almeida ex Sanjappa & Predeep [Fabaceae;	Gegen Qinlian Decoction	In vivo	DSS-induced UC in C57BL/6 mice	0.68 g/kg*7d	-	Sulfasalazine	EGFR/PI3K/AKT	TNF-α、IL-1β、IL-6↓	Modulated inflammatory response	(Liu al 202

Puerariae Lobatae Radix] (Gegen) *Scutellaria baicalensis* Georgi [Lamiaceae; Scutellariae Radix] (Huangqin) *Coptis chinensis* Franch. [Ranunculaceae; Coptidis Rhizoma] (Huanglian) *Glycyrrhiza uralensis* Fisch. ex DC. [Fabaceae; Glycyrrhizae Radix et Rhizoma] (Gancao) *Prunus mume* (Siebold) Siebold & Zucc. [Rosaceae; Mume Fructus] (Wumei) *Zingiber officinale*	Fructus mume pills (Wumei Wan)	In vivo	AA-induced UC in SD rats	450 and 900 mg/kg*7d	900 mg/kg	-	VEGF-PI3K/Akt-eNOS	TNF-α、IL-6、IL-8↓，IL-10↑; MPO、MMP9、CXCR1↓	Modulated inflammatory response; Regulated microvascular permeability	(Xu al 202

Roscoe [Zingiberaceae; Zingiberis Rhizoma] (Ganjiang) *Coptis chinensis* Franch. [Ranunculaceae; Coptidis Rhizoma] (Huanglian) *Asarum sieboldii* Miq.Herba [Aristolochiaceae; Asari Radix et Rhizoma] (Xixin) *Angelica sinensis* (Oliv.) Diels [Apiaceae; Angelicae Sinensis Radix] (Danggui) *Aconitum carmichaelii* Debeaux [Ranunculaceae; Aconiti Lateralis Radix Praeparata]	

(Fuzi) *Zanthoxylum bungeanum* Maxim. [Rutaceae; Zanthoxyli Pericarpium] (Huajiao) *Cinnamomum cassia* (L.) J.Presl [Lauraceae; Cinnamomi Ramulus] (Guizhi) *Codonopsis pilosula* (Franch.) Nannf. [Campanulaceae; Codonopsis Radix] (Dangsheng) *Phellodendron chinense* Schneid. [Rutaceae; Phellodendri Cortex] (Huangbai) *Astragalus membranaceus* Bunge [Fabaceae;	Kuijieyuan Decoction	In vivo	DSS-induced UC in SD rats	1, 2 and 10 ml/kg*15d	10 ml/kg	sulfasalazine	PI3K/AKT/NF-kB	TNFα、IL-1、IL-6↓，IL-10↑; SOD、GPx、	Modulated inflammatory response; Alleviated	(Liu al 202

Astragali Radix] (Huangqi) *Hedyotis diffusa* Willd. [Rubiaceae; Hedyotis Diffusae Herba] (Baihua Sheshecao) *Cirsium undulatum* (Nutt.) Spreng [Asteraceae; wavyleaf thistle] (Boyeji) *Cirsium arvense var. arvense* [Asteraceae; Cirsii Herba] (Xiaoji) *Pulsatilla chinensis* (Bunge) Regel [Ranunculaceae; Pulsatillae Radix] (Baitouweng) *Prunella vulgaris* L. [Lamiaceae; Prunellae		CAT↑，MDA↓; intestinal villi、mitochondrial ridges↑; Alloprevotella, Treponema, Prevotellaceae, and Prevotella↑, Escherichia_Shigella and Desulfovibrio↓	oxidative stress; Repaired the intestinal barrier; Restored gut microbiota equilibrium

Spica] (Xiakucao)	
Coptis chinensis Franch. [Ranunculaceae; Coptidis Rhizoma] (Huanglian)	
Polygonum cuspidatum Siebold & Zucc. [Polygonaceae; Polygoni Cuspidati Rhizoma et Radix] (Huzhang)	
Atractylodes lancea (Thunb.) DC. [Asteraceae; Atractylodis Rhizoma] (Cangzhu)	
Glycyrrhiza uralensis Fisch. ex DC. [Fabaceae; Glycyrrhizae Radix et Rhizoma] (Gancao)	

Pulsatilla chinensis (Bunge) Regel [Ranunculaceae; Pulsatillae Radix] (Baitouweng) *Fraxinus chinensis subsp. rhynchophylla* (Hance) A.E.Murray [Oleaceae; Fraxini Cortex] (Qinpi) *Phellodendron chinense* C.K.Schneid. [Rutaceae; Phellodendri Cortex] (Huangbai) *Coptis chinensis* Franch. [Ranunculaceae; Coptidis Rhizoma] (Huanglian)	Pulsatilla Decoction (Baitouweng Tang)	In vivo	Oxazolone induced UC in C57BL/6 murine	20 mg/g*7d	-	5-ASA	PI3K-Akt-mTORC1	IL-13、MPO↓; Beclin1、LC3↓; Occludin、ZO-1↑， Claudin-2↓	Modulated inflammatory response; Regulated autophagy; Repaired the intestinal barrier	(Wa et a 202
Bupleurum chinense DC. [Apiaceae; Bupleuri	Renshen Baidu Powder	In vivo	TNBS/ethanol mixture induced UC in SD	7.8 ,15.6 and 31.2 g/kg*14d	31.2 g/kg	sulfasalazine	PI3K/AKT/NF-κB	TNF-α、IL-1β、IL-6↓; Bax↑, Bcl-2↓	Modulated inflammatory response; Inhibited of	(Zha et a 202

Radix] (Chaihu) *Ligusticum chuanxiong* Hort. [Apiaceae; Chuanxiong Rhizoma] (Chuanxiong) *Panax ginseng* C.A.Mey. [Araliaceae; Ginseng Radix et Rhizoma] (Renshen) *Kitagawia praeruptora* (Dunn) Pimenov [Apiaceae; Peucedani Radix] (Qianhu) *Glycyrrhiza uralensis* Fisch. ex DC. [Fabaceae; Glycyrrhizae Radix et Rhizoma] (Gancao) *Platycodon grandiflorus* (Jacq.) A.DC.	rats	apoptosis in intestinal epithelial cells; Repaired the intestinal barrier

[Campanulaceae; Platycodonis Radix] (Jiegeng)	
Hansenia weberbauerian a (Fedde ex H.Wolff) Pimenov & Kljuykov [Apiaceae; Notopterygii Rhizoma et Radix] (Qianghuo)	
Angelica pubescens Maxim. [Apiaceae; Angelicae Pubescentis Radix] (Duhuo)	
Poria cocos (Schw.) Wolf [Polyporaceae; Poria] (Fuling)	
Citrus × *aurantium* L. [Rutaceae; Aurantii Fructus Immaturus] (Zhike)	

Mentha canadensis L. [Lamiaceae; Menthae Haplocalycis Herba] (Bohe) *Zingiber officinale* Roscoe [Zingiberaceae; Zingiberis Rhizoma Recens] (Shengjiang) *Sophora flavescens* Aiton [Fabaceae; Sophorae Flavescentis Radix] (Kushen) *Sanguisorba officinalis* L. [Rosaceae; Sanguisorbae Radix] (Diyu) *Strobilanthes cusia* (Nees) Kuntze [Acanthaceae; Indigo Naturalis] (Qingdai)	Compound Sophorae Decoction (Fufang Kushen Tang)	In vivo	DSS-induced UC in C57BL/6J mice	14.56 g/kg*7	-	bpV	PI3K-AKT/mTOR	IFN-γ、IL-1β、IL-6、TNF-α、TGF-β、IL-2↓, IL-10 、IL-4↑; Atg5、Atg7、Beclin1、LC3II↑, p62↓; Bcl-2↓, HIF-1α↑	Modulated inflammatory response; Alleviated oxidative stress; Regulated autophagy; Regulated cell apoptosis	(Liu al 202

Bletilla striata (Thunb.) Rchb.f. [Orchidaceae; Bletillae Rhizoma] (Baiji) *Panax notoginseng* (Burkill) F.H. Chen (Sanqi) *Glycyrrhiza uralensis* Fisch. ex DC. [Fabaceae; Glycyrrhizae Radix et Rhizoma] (Gancao) *Tetradium ruticarpum* (A.Juss.) T.G.Hartley [Rutaceae; Evodiae Fructus] (Wuzhuyu) *Cullen corylifolium* (L.) Medik. [Fabaceae; Psoraleae Fructus] (Buguzhi)	Sishen Pill	In vivo	TNBS-induced UC in SD mice	5 g/kg*10d	-	5-ASA	PI3K/Akt	TNF-α、IL-1β↓;Claudin-5、JAM1、VE-cadherin、Connexin 43↑	Modulated inflammatory response; Repaired the intestinal barrier	(Zha et a 202

Myristica fragrans Houtt. [Myristicaceae; Myristicae Semen] (Roudoukou) *Schisandra chinensis* (Turcz.) Baill. [Schisandraceae; Schisandrae Chinensis Fructu] (Wuweizi) *Coptis chinensis* Franch. [Ranunculaceae; Coptidis Rhizoma] (Huanglian) *Zingiber officinale* Roscoe [Zingiberaceae; Zingiberis Rhizoma Praeparatum] (Paojiang) *Sophora flavescens* Aiton [Fabaceae; Sophorae	Qingchang Wenzhong Decoction	In vivo	DSS-induced UC in SD mice	0.3, 0.6 and 1.2 g/kg*7d	0.6 g/kg	Mesalazine	PI3K/Akt	Occludin、ZO-1↑，claudin-2↓	Repaired the intestinal barrier	(Ma al 201

Flavescentis Radix] (Kushen) *Baphicacanthus cusia* (Nees) Bremek. [Acanthaceae; Indigo Naturalis] (Qingdai) *Sanguisorba officinalis* L. [Rosaceae; Sanguisorbae Radix] (Diyutan) *Dolomiaea costus* (Falc.) Kasana & A.K.Pandey [Asteraceae; Aucklandiae Radix] (Muxiang) *Panax notoginseng* (Burkill) F.H.Chen [Araliaceae; Notoginseng Radix et Rhizoma] (Sanqi) *Glycyrrhiza*	

uralensis Fisch. ex DC. [Fabaceae; Glycyrrhizae Radix et Rhizoma] (Gancao) *Scutellaria baicalensis* Georgi [Lamiaceae; Scutellariae Radix] (Huangqin) *Glycyrrhiza uralensis* Fisch. ex DC. [Fabaceae; Glycyrrhizae Radix et Rhizoma] (Gancao) *Paeonia lactiflora* Pall. [Paeoniaceae; Paeoniae Radix Alba] (Baishao) *Ziziphus jujuba* Mill. [Rhamnaceae; Jujubae Fructus] (Dazao)	Huangqin Decoction	In vivo	DSS-induced UC in BALB/c mice	2.275, 4.55 and 9.1 g/kg*7d	9.1 g/kg	Mesalazine	Ras-PI3K-Akt-HIF-1a	iNOS、CXCL10、MR、Trem2、MPO;IL-1β and IL-6↓;Bacteroidetes and Lactobacillus↑, Proteobacteria、Ruminococcaceae、Lachnospiraceae↓	Modulated inflammatory response; Repaired the intestinal barrier; Restored gut microbiota equilibrium	(Li al 202

Coptis chinensis Franch. [Ranunculaceae; Coptidis Rhizoma] (Huanglian) *Tetradium ruticarpum* (A.Juss.) T.G.Hartley [Rutaceae; Evodiae Fructus] (Wuzhuyu)	Zuojin Pill	In vivo	DSS-induced UC in BALB/c mice	1.5, 3 and 6g/kg*7d	3 g/kg	5-ASA	PI3K/Akt	IL-2 , IL-6, IL-17A、IL-4↓;PD-1、PD-L1↓;Regulatory T cells、Akkermansia and Actinobacteria↑	Modulated inflammatory response; Restored gut microbiota equilibrium	(Zh et a 202

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