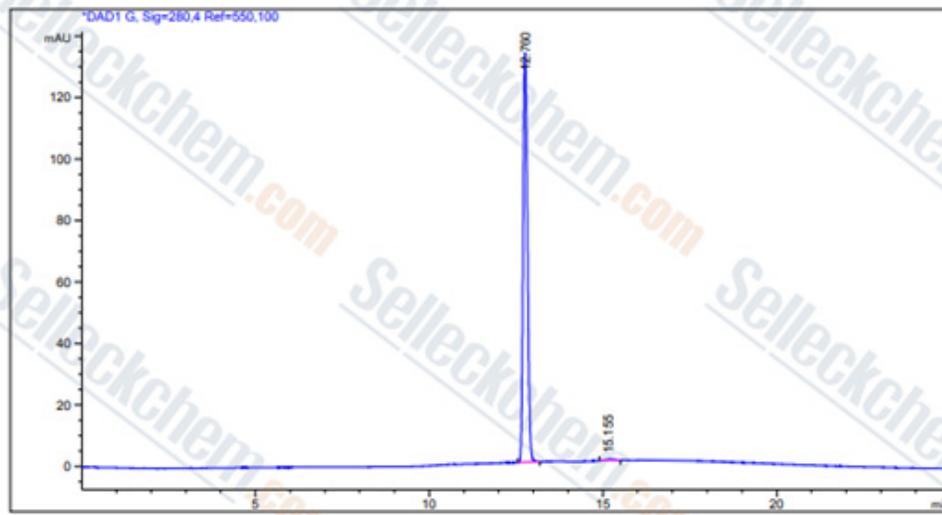


Supplementary Figure S1. Identification of primary fibroblasts. Immunofluorescence staining reflecting the expression levels of Vimentin in the primary mouse fibroblasts. Red represents Ph-Vimentin, and blue represents DAPI. Scale bars represent 100 μm .

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Acq. Operator   : SYSTEM                      Seq. Line : 7
Acq. Instrument : I2601c                     Location  : Vial 34
                                                Inj      : 1
                                                Inj Volume: 2.000 µl
-----

```



Area Percent Report

```

Sorted By      : Signal
Multiplier    : 1.0000
Dilution      : 1.0000
Use Multiplier & Dilution Factor with ISTDs
-----

```

```

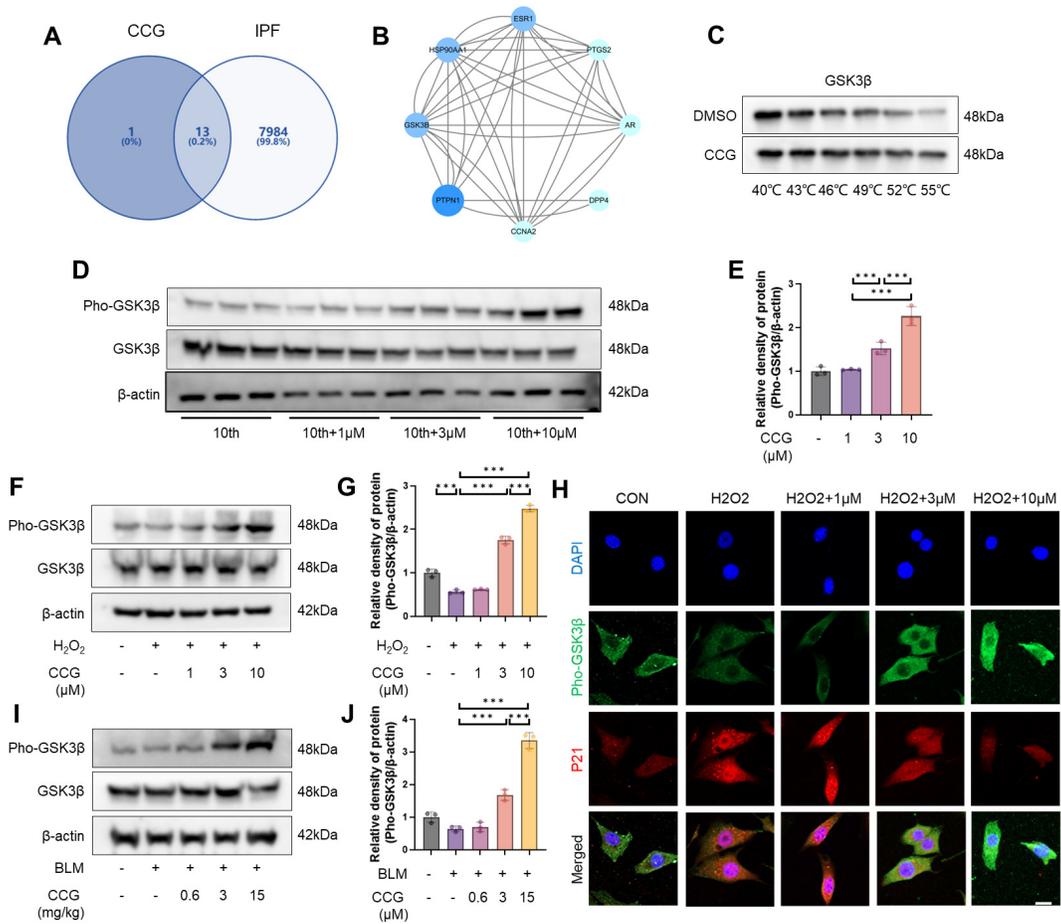
Signal 1: DAD1 G, Sig=280,4 Ref=550,100
Signal has been modified after loading from rawdata file!
-----

```

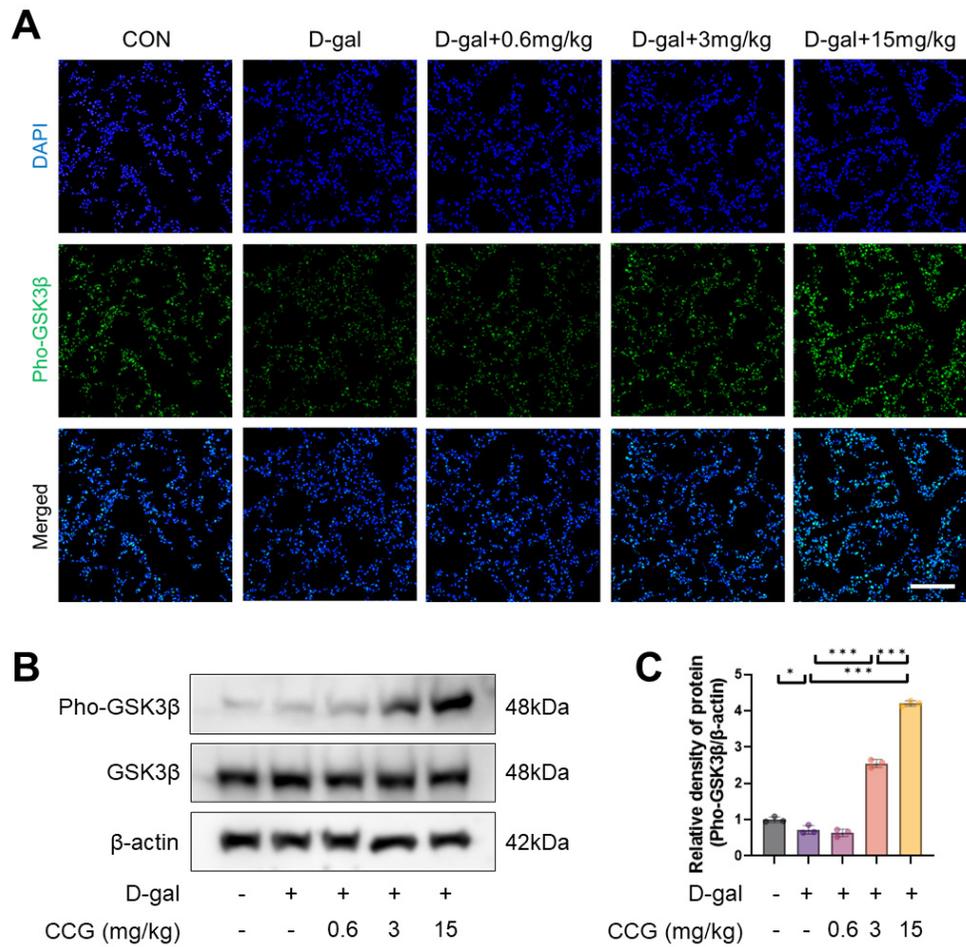
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	12.760	BB	0.1326	1138.42017	133.34436	99.8459
2	15.155	BB	0.2102	1.75701	0.36703	0.1541
Totals :				1140.17718	134.51139	

*** End of Report ***

Supplementary Figure S2. The HPLC spectrum of CCG.



Supplementary Figure S3. CCG promoted the phosphorylation of GSK3 β . (A,B) Network pharmacology screening of CCG target proteins. (C) CESTA reflected the binding of CCG to GSK3 β . (D,E) WB analysis of the protein levels of Phosphorylated GSK3 β and GSK3 β in fibroblasts. (F,G) WB analysis of the protein levels of Phosphorylated GSK3 β and GSK3 β in AECs. (H) Immunofluorescence staining showing the levels of Phosphorylated GSK3 β and P21 in AECs. Red represents P21, green represents Phosphorylated GSK3 β , and blue represents DAPI. Scale bars represented 50 μ m. (I,J) WB analysis of the protein levels of Phosphorylated GSK3 β and GSK3 β in vivo. Data represent means \pm standard deviation, with each experiment independently repeated at least three times. (***) $p < 0.001$.



Supplementary Figure S4. CCG promoted the phosphorylation of GSK3β in in the lungs of D-gal-induced mice. (A) Immunofluorescence staining reflecting the expression levels of Pho-GSK3β in the lungs. Green represents Pho-GSK3β, and blue represents DAPI. Scale bars represent 100 μm. (B,C) WB analysis of the protein levels of Pho-GSK3β and GSK3β in vivo. Data represent means ± standard deviation, with each experiment independently repeated at least three times. (* $p < 0.05$, and *** $p < 0.001$).