

| Chemical | key factor | | NFKBIA | | IL8 | | |
|---------------------------|------------|----------------------|--------|-----|-----|-----|-----|
| | genes | CAS # | | % | % | % | |
| | (3 listed) | chemical group | μM | | | | |
| | | | hours | 4 | 20 | 4 | 20 |
| Genistein | FOS | 446-72-0 | 0.5 | 80 | 57 | 18 | 54 |
| | CEBPB & D | Isoflavones | 5 | 71 | 56 | 12 | 66 |
| | PITX2 | | 50 | 53 | 27 | 3 | 11 |
| Quercetin | IL1B | 117-39-5 | 2 | 92 | 61 | 86 | 90 |
| | NFKBIA | Flavonols | 20 | 111 | 75 | 86 | 92 |
| | F3 | | 200 | 241 | 52 | 19 | 26 |
| Indomethacin | EGR1 | 53-86-1 | 1 | 106 | 66 | 86 | 93 |
| | NR4A1 | Indoles | 10 | 123 | 129 | 86 | 101 |
| | NFKBIA | | 100 | 261 | 108 | 19 | 42 |
| | | | hours | 3 | 6 | 3 | 6 |
| Curcumin | ETS2 | 458-37-7 | 1 | 186 | 111 | 275 | 138 |
| | CEBPB | Diarylheptanoids | 10 | 412 | 100 | 843 | 37 |
| | NFE2L2 | | 100 | 27 | 10 | 86 | 24 |
| Chenodeoxycholic Acid | PPARG | 474-25-9 | 1 | 217 | 145 | 291 | 317 |
| | NR4A1 | Bile Acids and Salts | 10 | 407 | 140 | 468 | 293 |
| | XBP1 | | 100 | 591 | 211 | 779 | 318 |
| Nordihydroguaiaretic Acid | HSD11B2 | 500-38-9 | 1 | 226 | 118 | 141 | 85 |
| | FOS | Lignans | 10 | 222 | 78 | 214 | 123 |
| | IL8 | | 100 | 15 | 6 | 2 | 1 |
| (E)-Guggulsterone | NFKBIA | 6439929 | 1 | 135 | 45 | 77 | 308 |
| | NFE2L2 | Plant Gums | 5 | 96 | 32 | 69 | 139 |
| | STAT3 | | 50 | 21 | 8 | 21 | 13 |
| (Z)-Guggulsterone | NFKBIA | 6450278 | 1 | 75 | 43 | 23 | 176 |
| | NFE2L2 | Plant Gums | 5 | 46 | 35 | 18 | 122 |
| | STAT3 | | 50 | 47 | 16 | 10 | 4 |
| Sodium Selenite | JUNB | 10102-18-8 | 10 | 83 | 31 | 96 | 44 |
| | FOS | Selenium Compounds | 100 | 100 | 37 | 115 | 37 |
| | PITX2 | | 1000 | 143 | 53 | 30 | 12 |