Supplementary Table 1. Antidiabetic activity of crude extracts/fractions and isolated column fractions of *Ficus benghalensis*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Samples** | **Concentration**  **(μg/ml)** | **Percent α-glucosidase**  **Inhibition**  **(mean ± SEM)** | **IC50**  **(μg/ml)** | **Percent α-Amylase**  **Inhibition**  **(mean ± SEM)** | **IC50**  **(μg/ml)** |
| F-B-1 C | 1000  500  250  125  62.5 | 61.22±0.55\*\*\*  56.25±0.19\*\*\*  51.54±0.22\*\*\*  44.29±0.36\*\*\*  37.29±0.25\*\*\* | 246.69 | 63.35 ±0.39\*\*\*  57.44 ±0.30\*\*\*  51.56 ±1.26\*\*\*  44.33 ±0.27\*\*\*  38.95 ±0.37\*\*\* | 220.10 |
| F-B-2 C | 1000  500  250  125  62.5 | 69.67±0.32\*\*\*  63.20±0.10\*\*\*  55.09±0.32\*\*\*  49.67±1.20\*\*\*  43.40±0.25\*\*\* | 130.02 | 71.85±0.41\*\*\*  65.00±0.31\*\*\*  58.64±0.13\*\*\*  53.93±0.45\*\*\*  46.10±0.33\*\*\* | 91.85 |
| F-B-3 C | 1000  500  250  125  62.5 | 65.50±2.26\*\*\*  59.01±0.42\*\*\*  53.07±0.62\*\*\*  49.70±0.35\*\*\*  43.73±0.66\*\*\* | 143.76 | 67.44±0.09\*\*\*  61.87±0.39\*\*\*  55.83±1.07\*\*\*  50.23±0.44\*\*\*  44.29±0.43\*\*\* | 122.79 |
| F-B-4 C | 1000  500  250  125  62.5 | 58. 91±1.54\*\*\*  54. 49±0.14\*\*\*  48. 89±0.20\*\*\*  41. 43±0.29\*\*\*  37.23±0.44\*\*\* | 337.94 | 61.33 ±0.88\*\*\*  55.00 ± 0.57\*\*\*  50.96 ± 1.91\*\*\*  43.00 ± 1.73\*\*\*  36.09±0.32\*\*\* | 271.24 |
| *Ficus benghalensis* stem | 1000  500  250  125  62.5 | 69.47±0.22\*\*\*  63.94±0.45\*\*\*  57.61±1.70\*\*\*  53.64±0.16\*\*\*  46.52±0.38\*\*\* | 91.07 | 73.39±0.60\*\*\*  67.39±0.49\*\*\*  61.36±0.49\*\*\*  57.34±0.55\*\*\*  51.90±1.16\*\*\* | 52.35 |
| *Ficus benghalensis* Leaves | 1000  500  250  125  62.5 | 73.84±0.10\*\*\*  67.15±0.14\*\*\*  61.56±0.74\*\*\*  55.12±0.34\*\*\*  49.50±1.27\*\*\* | 69.41 | 76.29±0.43\*\*\*  69.56±0.45\*\*\*  63.54±0.46\*\*\*  58.57±0.84\*\*\*  52.36±0.49\*\*\* | 50.50 |
| *Ficus benghalensis* roots | 1000  500  250  125  62.5 | 55. 44±0.09\*\*\*  51. 10±0.33\*\*\*  45. 93±0.45\*\*\*  41. 64±0.13\*\*\*  34. 00±0.31\*\*\* | 474.83 | 57.33 ±0.88  53.00 ± 0.57  48.96 ± 1.91  43.00 ± 1.73  37.66 ± 1.36 | 332.19 |
| Acarbose | 1000  500  250  125  62.5 | 81.85±0.18  76.59±0.30  69.75±0.14  64.47±0.49  59.12±0.34 | 26.58 | 83.53±0.20  78.62±0.17  73.42±0.11  66.20±0.15  61.35±0.18 | 21.30 |

Data is represented as mean ± S.E.M; n = 3, Values significantly different as compared to positive control; \* = P < 0.05, \*\* = P < 0.01, \*\*\* = P < 0.001.

Supplementary Table 2. Anticholinesterase activity of crude extracts/fractions and isolated column fractions of Ficus benghalensis

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Samples** | **Concentration**  **(μg/ml)** | **Percent AChE**  **Inhibition**  **(mean ± SEM)** | **IC50**  **(μg/ml)** | **Percent BChE**  **Inhibition**  **(mean ± SEM)** | **IC50**  **(μg/ml)** |
| F-B-1 C | 1000  500  250  125  62.5 | 62.61 ± 0.77\*\*\*  54.60 ± 0.80\*\*\*  43.83 ± 0.56\*\*\*  35.69±0.77\*\*\*  29.67±0.61\*\*\* | 369.86 | 64.79±0.62\*\*\*  56.45 ± 0.49\*\*\*  45.75 ± 0.58\*\*\*  37.51±0.77\*\*\*  31.53±0.71\*\*\* | 314.78 |
| F-B-2 C | 1000  500  250  125  62.5 | 66.79±0.63\*\*\*  59.67±0.61\*\*\*  41.69±0.77\*\*\*  35.54±0.50\*\*\*  29.00±0.30\*\*\* | 319.70 | 71.62±0.74\*\*\*  63.86±0.60\*\*\*  44.48±0.64\*\*\*  37.54±0.50\*\*\*  31.74±0.61\*\*\* | 252.01 |
| F-B-3 C | 1000  500  250  125  62.5 | 63.34±0.98\*\*\*  56.32±1.06\*\*\*  48.05±0.75\*\*\*  44.70±1.25\*\*\*  38.74±0.68\*\*\* | 342.34 | 65.17±0.72\*\*\*  57.85±0.97\*\*\*  51.37±1.65\*\*\*  46.73±0.78\*\*\*  41.34±1.01\*\*\* | 185.83 |
| F-B-4 C | 1000  500  250  125  62.5 | 69.58±1.12\*\*\*  61.65±1.34\*\*\*  47.90±0.96\*\*\*  39.03±0.48\*\*\*  31.90±0.48\*\*\* | 249.57 | 71.33±0.49\*\*\*  63.03±0.23\*\*\*  49.00±0.58\*\*\*  42.67±0.89\*\*\*  33.00±1.15\*\*\* | 218.83 |
| *Ficus benghalensis* stem | 1000  500  250  125  62.5 | 44.67±0.89\*\*\*  39.00±1.15\*\*\*  33.00±0.00\*\*\*  25.03±0.23\*\*\*  21.87±1.27\*\*\* | 1670.30 | 47.20±0.23\*\*\*  41.80±0.37\*\*\*  35.87±1.27\*\*\*  31.08±1.04\*\*\*  24.76±0.61\*\*\* | 1327.20 |
| *Ficus benghalensis* Leaves | 1000  500  250  125  62.5 | 61.03±0.35\*\*\*  47.08±0.47\*\*\*  41.91±0.88\*\*\*  37.90±0.96\*\*\*  32.98±0.72\*\*\* | 464.80 | 64.20±0.23\*\*\*  51.13±0.20\*\*\*  44.87±1.27\*\*\*  39.76±0.61\*\*\*  34.91±1.30\*\*\* | 338.15 |
| *Ficus benghalensis* Roots | 1000  500  250  125  62.5 | 65.39±0.40\*\*\*  54.29±0.32\*\*\*  45.34±0.35\*\*\*  34.02±0.24\*\*\*  26.35±0.11\*\*\* | 356.39 | 67.73±0.03\*\*\*  57.42±0.12\*\*\*  47.39±0.35\*\*\*  41.36±0.71\*\*\*  29.15±0.22\*\*\* | 277.91 |
| Galantamine | 1000  500  250  125  62.5 | 82.43 ± 0.52  74.03 ± 0.64  71.56 ± 0.49  67.05 ± 0.49  63.26 ± 0.93 | 12.63 | 89.50±1.00  83.00 ±0.00  77.50±0.57  73.53±0.55  67.63±0.33 | 10.57 |

Data is represented as mean ± S.E.M; n = 3, Values significantly different as compared to positive control; \*\*\* = P < 0.001.