Antimicrobial activity of AS-2, AS-3 and AS-4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test bacteria and fungi | Diameter of zone of inhibition (mm) | | | Standard Ciprofloxacin (30 µ gm/disc) |
| **AS-2** | **AS-3** | **AS-4** |  |
| **Gram Positive bacteria** | | | | |
| *Bacillus cereus* | 16 | NA | NA | 40 |
| *Bacillus megaterium* | NA | NA | 24 | 45 |
| *Bacillus subtilis* | NA | 11 | NA | 35 |
| *Staphylococcus aureus* | NA | 13 | NA | 43 |
| *Sarcina lutea* | NA | NA | 14 | 39 |
| **Gram Negative bacteria** | | | | |
| *Escherichia coli* | 17 | 11 | 14 | 38 |
| *Vibrio mimicus* | NA | NA | NA | 37 |
| *Shigella dysenteriae* | NA | NA | NA | 35 |
| *Pseudomonas aeruginosa* | NA | NA | NA | 42 |
| *Shigella boydii* | NA | NA | 16 | 38 |
| *Salmonella Paratyphi* | NA | NA | NA | 30 |
| *S.Typhi* | 27 | 19 | NA | 35 |
| *V. parahemolyticus* | NA | NA | NA | 37 |
| **Fungi** | | | | |
| *Sacharomyces cerevacae* | NA | 23 | NA | 38 |
| *Candida albicans* | NA | NA | NA | 38 |
| *Aspergillus niger* | 6 | NA | NA | 35 |

**AS-2:** Scopoletin, **AS-3:**1, 3, 4-Trimethoxy-xanthen-9-one, **AS-4:**Graveolone, NA: No Activity