

**Supplementary Figure 1:** Determination of a DPPH radical scavenging activity of *Trigonella foenum-graecum* seeds. All experiments were performed in triplicate. Data are expressed as mean ± SD (n = 3, p < 0.05) for all tested dosages.

**Supplementary Table 1:** Pharmacophore of top 10 lead hits from virtual screening analyses

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| **Top 50 leads hits from Virtual Screening** | **Highest score of top 10 leads hits** |
| Compound-1 | 43.91 |
| Compound-2 | 41.04 |
| Compound-3 | 41.08 |
| Compound-4 | 41.06 |
| Compound-5 | 41.79 |
| Compound-6 | 40.74 |
| Compound-7 | 41.05 |
| Compound-8 | 41.06 |
| Compound-9 | 41.79 |
| Compound-10 | 40.74 |