

| Generic (Brand USA) drug     | D1      | D2    | D3    | 5-HT1A   | 5-HT2A    | 5-HT2C    | D2    | D3    | D4    | 5-HT2A/D2 | H1           | M1           | M3           |
|------------------------------|---------|-------|-------|----------|-----------|-----------|-------|-------|-------|-----------|--------------|--------------|--------------|
| Aripiprazole (Abilify)       | 1173    | 1.64  | 5.35  | 5.6      | 8.7       | 22.4      | 1.64  | 5.35  | 514   | 5.3       | 27.93        | 6,778        | 4,678        |
| Asenapine (Saphris)          | 1.4     | 1.3   | 0.42  | 2.5      | 0.06      | 0.03      | 1.3   | 0.42  | 1.1   | 0.0462    | 1            | 8,128        | 8,128        |
| Chlorpromazine (Thorazine)   | 76.3    | 1.4   | 4.65  | 2,115.50 | 4.5       | 15.6      | 1.4   | 4.65  | 5.33  | 3.21      | 3.09         | 32.3         | 57           |
| Clozapine (Closaril)         | 266.3   | 157   | 269.1 | 123.7    | 5.35      | 9.44      | 157   | 269.1 | 26.4  | 0.0341    | 1.13         | 6.17         | 19.25        |
| cis-Flupenthixol (Fluanxol)  | 3.5     | 0.35  | 1.75  | 8,028    | 87.5 f    | 102.2 r   | 0.35  | 1.75  | 66.3  | 250       | 0.86         | ND           | ND           |
| Fluphenazine (Prolixin)      | 17.33   | 0.3   | 1.75  | 1,040    | 37.93     | 982.5     | 0.3   | 1.75  | 40    | 126.4     | 14.15        | 1,095        | 1,441        |
| Haloperidol (Haldol)         | 121.8   | 0.7   | 3.96  | 2,067    | 56.81     | 4,801     | 0.7   | 3.96  | 2.71  | 81.2      | 1698         | >10,000      | >10,000      |
| Loxapine (Loxitane)          | 54      | 28.1  | 19.33 | 2,456    | 6.63      | 13.25     | 28.1  | 19.33 | 7.8   | 0.236     | 4.9          | 119.45       | 211.33       |
| Lurasidone (Latuda)          | 262     | 1.7   | ND    | 6.8      | 2         | 415       | 1.7   | ND    | ND    | 1.18      | >10,000      | >10,000      | >10,000      |
| Olanzapine (Zyprexa)         | 70.33   | 34.23 | 47    | 2282     | 3.73      | 10.2      | 34.23 | 47    | 14.33 | 0.109     | 2.19         | 2.5          | 56.33        |
| Perphenazine (Trilafon)      | V       | 0.14  | 0.13  | 421      | 5.6       | 132       | 0.14  | 0.13  | 17    | 40        | 8            | 1,500        | 1,848        |
| Pimozide (Orap)              | >10,000 | 1.45  | 0.25  | 650      | 48.35     | 2,112     | 1.45  | 0.25  | 1.8   | 33.34     | 692.2        | 800 (HB)     | 1,955        |
| Prochlorperazine (Compazine) | ND      | 0.65  | 2.9   | 5,900 h  | 15 h      | 122       | 0.65  | 2.9   | 5.4   | 23.1      | 18.86 (HB)   | 555.55 (HB)  | ND           |
| Quetiapine (Seroquel)        | 994.5   | 379   | 340   | 394.2    | 912       | 1,843     | 379   | 340   | 2,019 | 2.41      | 6.9          | 489          | 1631.5       |
| Norquetiapine                | 99.8 r  | 196   | ND    | 45       | 48        | 107       | 196   | ND    | ND    | 0.245     | 3.5          | 38.3 (RC)    | ND           |
| Risperidone (Risperdal)      | 243.53  | 3.57  | 2     | 422.9    | 0.17      | 12        | 3.57  | 2     | 4.66  | 0.0476    | 20.05        | >10,000      | >10,000      |
| Sulpiride (Eglonyl)          | >10,000 | 9.8   | 8.05  | >10,000  | >10,000 r | >10,000 r | 9.8   | 8.05  | 54    | >1,000    | >10,000 (RB) | >10,000 (RB) | >10,000 (RB) |
| Thioridazine (Mellaril)      | 94.5    | 2.2   | 1.5   | 144.4    | 27.67     | 53        | 2.2   | 1.5   | 6     | 12.58     | 16.5         | 12.8         | 29           |
| Thiothixene (Navane)         | 51      | 0.12  | 0.4   | 410.2    | 50        | 1355.5    | 0.12  | 0.4   | 203   | 416.7     | 8            | >10,000      | >10,000      |
| Trifluoperazine (Stelazine)  | M       | 1.12  | ND    | 950      | 74        | 378       | 1.12  | ND    | 38.1  | 66.07     | 63           | ND           | 1,001        |
| Ziprasidone (Geodon)         | 30      | 4.35  | 7.85  | 54.67    | 0.73      | 13        | 4.35  | 7.85  | 52.9  | 0.1678    | 62.67        | >10,000      | >10,000      |

**Table 5A** Ki receptor values in neuroleptics in dopamine and key serotonin receptors <sup>182,197,198</sup>