Table 1 – source data 1: Agonist efficiency (from literature)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| agonist | KdC (mM) | KdO (mM) | c | h |
| ACha | 0.17 | 0.03 | 6707 | 0.50 |
| Norb | 0.20 | 0.04 | 4801 | 0.50 |
| CCha | 0.54 | 0.17 | 3177 | 0.52 |
| Anab | 0.23 | 0.04 | 6355 | 0.51 |
| ChoC | 4.10 | 15.1 | 297 | 0.50 |
| DMPPd | 0.48 | 0.13 | 3587 | 0.52 |
| 4OHd | 1.20 | 1.35 | 886 | 0.50 |
| 3OHd | 1.66 | 2.84 | 583 | 0.50 |
| Nicb | 1.00 | 0.92 | 1084 | 0.50 |
| TMAa | 1.48 | 0.62 | 2402 | 0.54 |
| DMTa | 2.73 | 2.76 | 989 | 0.54 |
| DMPa | 3.57 | 4.35 | 822 | 0.54 |
| Ebtd | 0.03 | 0.02 | 1698 | 0.41 |
| Cytd | 0.07 | 0.1 | 650 | 0.40 |
| TEAd | 1.74 | 26.77 | 65 | 0.40 |
| TMPd | 0.36 | 1.47 | 244 | 0.41 |
| Vard | 0.06 | 0.33 | 171 | 0.34 |
| Ebxd | 0.11 | 0.05 | 2340 | 0.46 |

Low and high affinity equilibrium dissociation constants KdC and KdO (Fig. 2B) were calculated from CRCs (Fig. 3 and Eq. 4) after correcting L0 for the background (Fig. 7-figure supplement 1). c, coupling constant (Eq. 1); , efficiency (Eq. 2). a(Jadey & Auerbach, 2012), b(Jadey et al., 2013), c(Purohit & Grosman, 2006), d(Indurthi & Auerbach, 2021).