**Figure 1-source data 2**

**Data for Figure 1–figure supplement 1**

**Parametric values for the effect of strychnine on the binding of [3H]NMS and [3H]QNB to membrane-bound M2 receptor.** Strychnine and either [3H]NMS or [3H]QNB were added simultaneously to membranes prepared from CHO cells expressing the M2 receptor, and binding was measured after incubation of the reaction mixture for 3 h or 12 h at 30 °C. The data were analyzed in terms of Equation 2 (*n* = 1 or 2), with single values of *Kj* or *n*H(*j*) assigned as shown in the table to data acquired after 3 and 12 hours. The constraints were without appreciable effect on the sum of squares (*P* > 0.05). The parametric values are listed in the table, and the fitted curves are shown in Figure1-figure-supplement 1. The number of experiments is shown in parentheses.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Incubation | log *K*1 | log *K*2­ | *n*H(1) | *n*H(2) | *F*1 | *F*2 |
|  |  |  |  |  |  |  |
| *Strychnine and [3H]NMS* | | | | | | |
| 3 h (3) | −4.80 ± 0.11 | −3.37 ± 0.03 | 0.72 ± 0.06 | 1.44 ± 0.09 | −3.21 | 2.21 ± 0.16 |
| 12 h (2) | 0.98 ± 0.14 | 1.07 ± 0.08 |
|  |  |  |  |  |  |  |
| *Strychnine and [3H]QNB* | | | | | | |
| 3 h (3) | −4.12 ± 0.03 | — | 1.20 ± 0.07 | — | 1.00 |  |
| 12 h (2) | −3.74 ± 0.05 | — | — | 1.00 |  |
|  |  |  |  |  |  |  |