**Figure 5-source data 2**

**Data for Figure 5–figure supplement 3**

**Mean distances (Å) between the **-carbon atoms of Tyr177 and Asn419 in the M2 receptor with different combinations of allosteric and orthosteric ligands.** The calculations were based on the structure of the receptor with iperoxo at the orthosteric site (4MQS).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Allosteric site | | |
|  |  | Vacant | Strychnine | Gallamine |
|  |  |  |  |  |
| Orthosteric site | Vacant | 11.4 | 11.3 | 11.5 |
| NMS | 10.9 | 10.1 | 11.5 |
| QNB | 11.2 | 11.5 | 11.1 |
|  |  |  |  |  |