

Supplementary data for the article:

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Supplemental Material: Novel Compounds and Biological Screening Results

Synthesis, Biological and Computational Evaluation of Substituted (2-Methoxyphenyl)piperazine Dopaminergic Ligands

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Compound No.	InChI	Biological Activity (D ₂ K _i) ^a
11	BPKYZOGOXYSDOF-UHFFFAOYSA-N	3278 nM
12	JUXZYKYLWDLBX-UHFFFAOYSA-N	2538 nM
13	ZIYZTTOPGMGSNC-UHFFFAOYSA-N	708 nM
14	ODAZIJVHBVTDMQ-UHFFFAOYSA-N	1589 nM
15	URXMOGPROZHKBT-UHFFFAOYSA-N	1593 nM
16	MGBUABONVLEBPY-UHFFFAOYSA-N	450 nM
17	HLRHAQCZZBFXHJ-UHFFFAOYSA-N	146 nM
18	XOCICHKBLXOODM-UHFFFAOYSA-N	1465 nM
19	LGTPFUCUWWNSRA-UHFFFAOYSA-N	930 nM
20	KFYGVGLBKGEMBA-UHFFFAOYSA-N	500 nM
21	ZLSJKFSRJNPCIL-UHFFFAOYSA-N	229 nM
22	RMUFFHSONGNQJB-UHFFFAOYSA-N	360 nM
23	ZOTZUMHVOTXUDP-UHFFFAOYSA-N	1779 nM
24	RYRWSCFPXHLLDE-UHFFFAOYSA-N	319 nM

25	LZPRTFLNGLFFHL-UHFFFAOYSA-N	54 nM
26	ZGXDZDPAQYXKHG-UHFFFAOYSA-N	1530 nM

^a All the newly synthesized ligands were evaluated for their affinity to D₂DAR *in vitro* competitive displacement assay of the [³H]-spiperone according to:

Tomic, M. Kundakovic, B. Butorovic, V. Vasilev, D. Dragovic, G. Roglic, D. Ignjatovic, V. Soskic, S. Kostic-Rajacic, *Pharmazie* **2003**, 58, 677-678.