Discovery of 4-(4-(2-((5-hydroxy-1,2,3,4-tetrahydronaphthalen-2-yl)(propyl)amino)-ethyl)piperazin-1-yl)quinolin-8-ol and its analogues with highly efficacious dopamine D2/D3 agonists activity along with a capacity to bind to iron: potential application in symptomatic and neuroprotective therapy for Parkinson's Disease.

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Elemental Analysis

Compound	Elemental Analysis					
	Calculated			Found		
	C	H	N	C	H	N
12a (D-327)	54.09	6.98	8.70	54.48	7.39	8.42
12b (D-376)	52.34	7.12	8.42	52.70	7.44	8.37
19a (D-339)	53.24	6.83	8.87	53.20	6.85	8.85
19b (D-340)	53.54	6.80	8.92	53.38	7.14	8.95
S(-)**19b** (D-369)	54.64	6.71	9.10	54.65	6.91	8.91
R(+)**19b** (D-368)	51.62	6.96	8.60	51.31	7.05	8.29
R(+)**19a** (D-375)	54.32	6.74	9.05	54.72	6.85	8.72