

Supporting Information

Synthesis and Biological Evaluation of New Thiosemicarbazone Derivative Schiff Bases as Monoamine Oxidase Inhibitory Agents

Betül Kaya Çavuşoğlu ¹, Begüm Nurpelin Sağlık ^{1,2}, Derya Osmaniye ^{1,2}, Serkan Levent ^{1,2}, Ulviye Acar Çevik ^{1,2}, Abdullah Burak Karaduman ³, Yusuf Özkay ^{1,2,*} and Zafer Asım Kaplancıklı ^{1,2}

¹ Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Anadolu University, 26470, Eskişehir, Turkey; betulkaya@anadolu.edu.tr (B.K.Ç.); bnsaglik@anadolu.edu.tr (B.N.S.); dosmaniye@anadolu.edu.tr (D.O.); serkanlevent@anadolu.edu.tr (S.L.); uacar@anadolu.edu.tr (U.A.Ç.); zakaplan@anadolu.edu.tr (Z.A.K.)

² Doping and Narcotic Compounds Analysis Laboratory, Faculty of Pharmacy, Anadolu University, 26470, Eskişehir, Turkey

³ Department of Pharmaceutical Toxicology, Faculty of Pharmacy, Anadolu University, 26470, Eskişehir, Turkey; abkaraduman@anadolu.edu.tr

* Correspondence: yozkay@anadolu.edu.tr; Tel.: +90-222-335-0580 / 3603

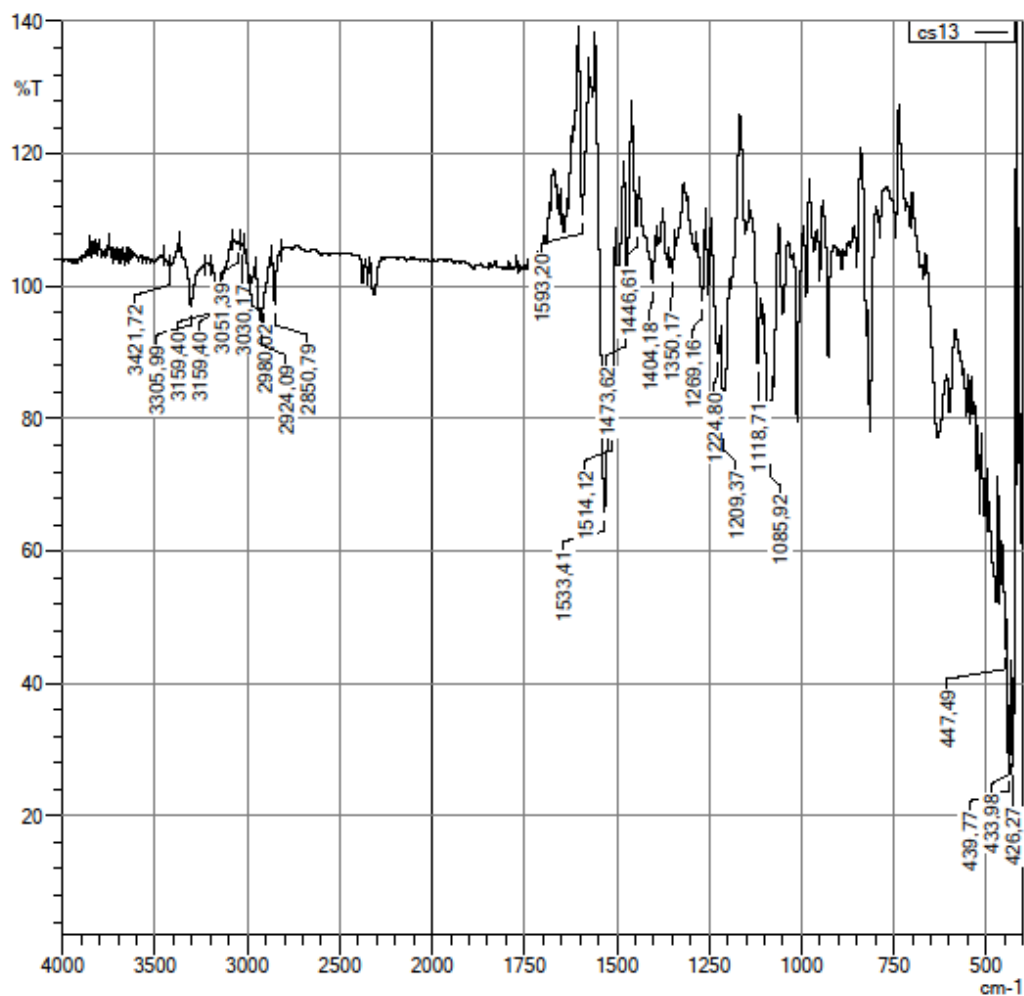


Figure S1. Compound B24 IR spectrum

Data File: C:\LabSolutions\Data\Analiz\BKaya\CS-16-a_31.lcd

Elmt	Val.	Min	Max	Elmt	Val.	Min	Max	Elmt	Val.	Min	Max	Use Adduct
H	1	0	35	O	2	0	5	Cl	1	0	3	H
C	4	0	26	F	1	0	0	Br	1	0	1	
N	3	3	5	S	2	1	2	I	3	0	0	

Error Margin (ppm): 5

HC Ratio: unlimited

Max Isotopes: 3

MSn Iso RI (%): 10.00

DBE Range: 8.0 - 12.0

Apply N Rule: yes

Isotope RI (%): 1.00

MSn Logic Mode: AND

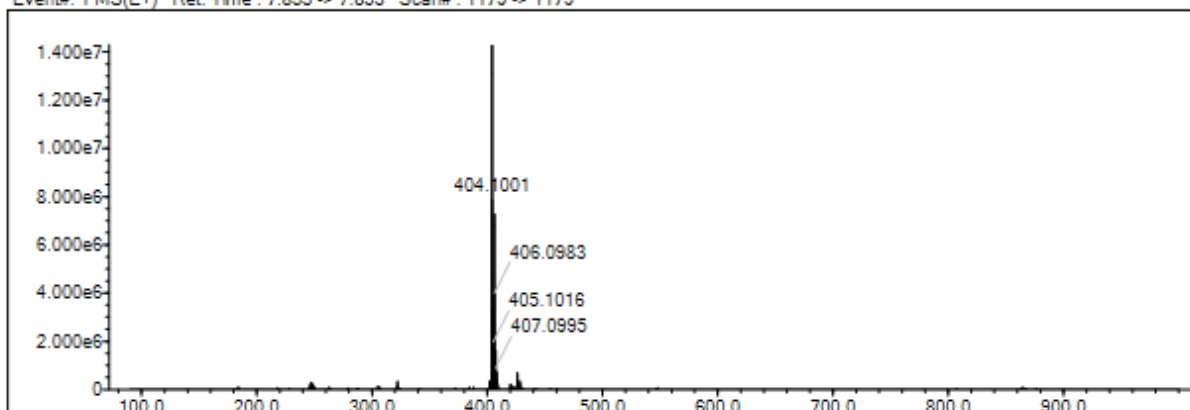
Electron Ions: both

Use MSn Info: no

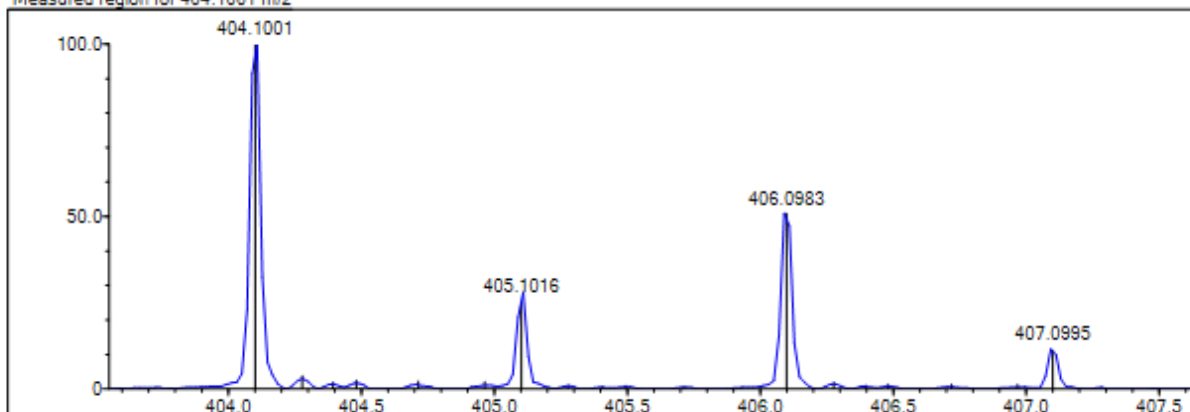
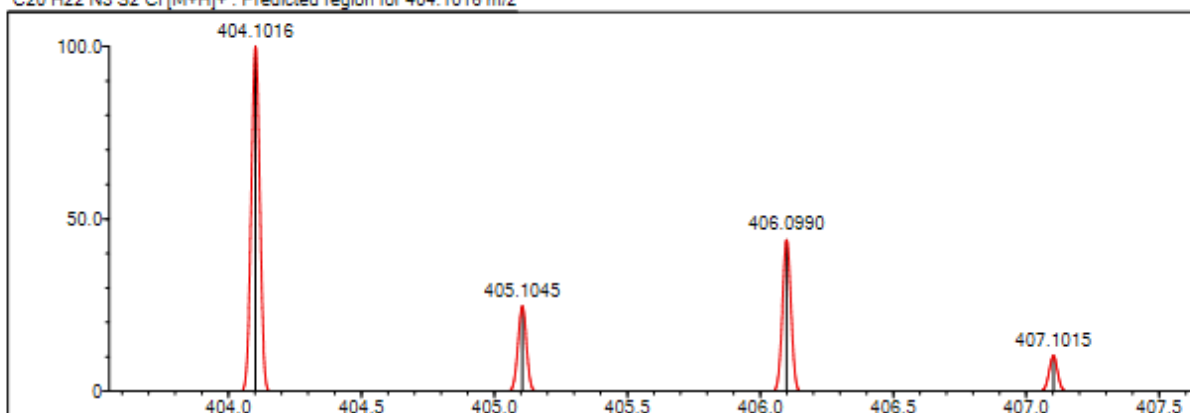
Isotope Res: 10000

Max Results: 500

Event#: 1 MS(E+) Ret. Time : 7.853 -> 7.853 Scan#: 1179 -> 1179



Measured region for 404.1001 m/z

C20 H22 N3 S2 Cl [M+H]⁺ : Predicted region for 404.1016 m/z

Rank	Score	Formula (M)	Ion	Meas. m/z	Pred. m/z	Df. (mDa)	Df. (ppm)	Iso	DBE
1	84.69	C20 H22 N3 S2 Cl	[M+H] ⁺	404.1001	404.1016	-1.5	-3.71	90.85	11.0

Figure S2. Compound B24 mass spectrum

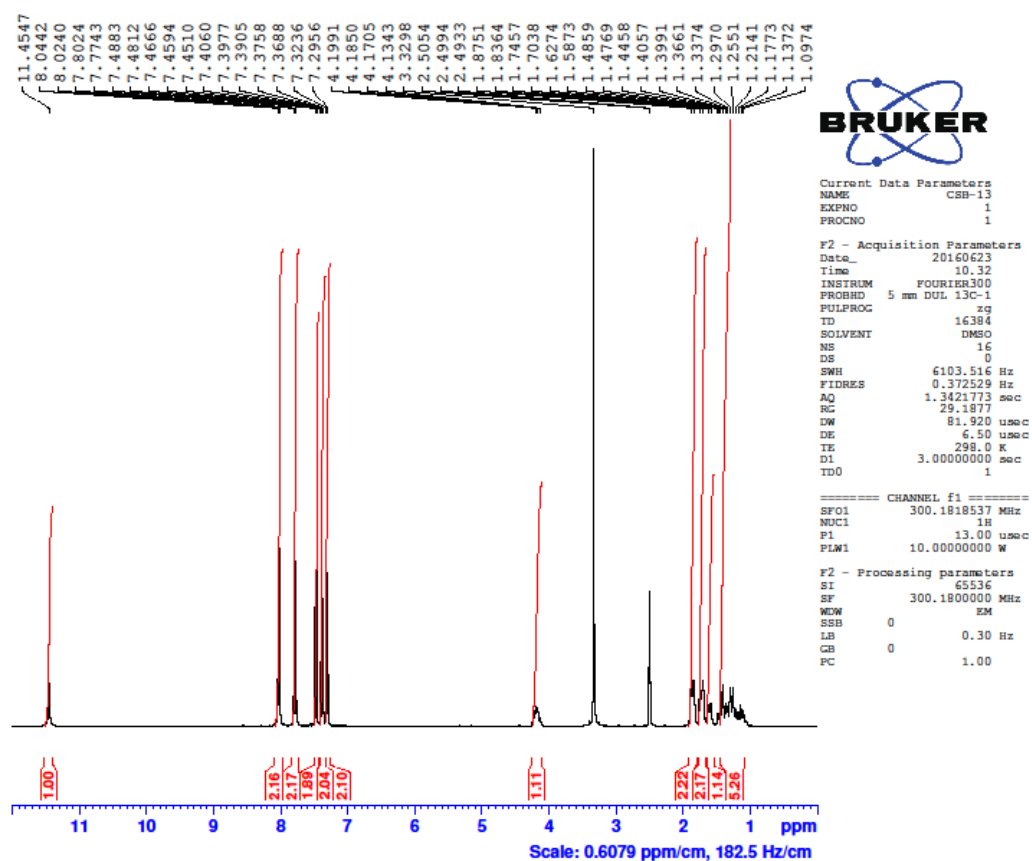


Figure S3. Compound B24 ^1H -NMR spectrum

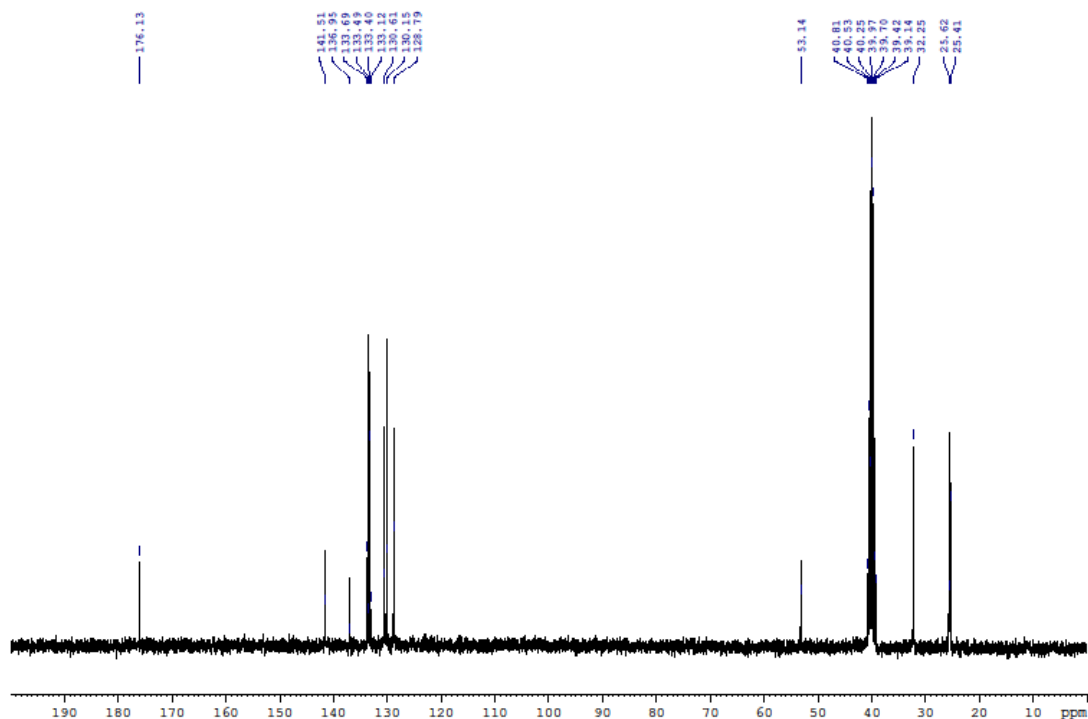


Figure S4. Compound B24 ^{13}C -NMR spectrum