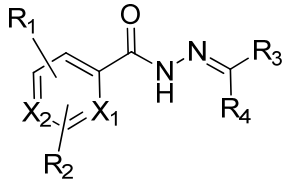
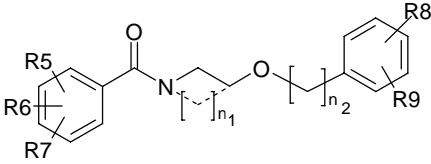
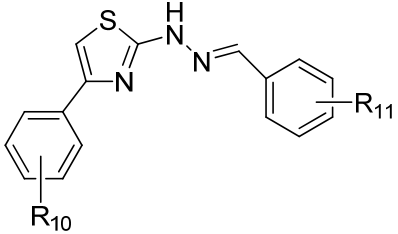
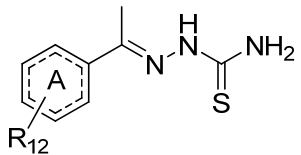
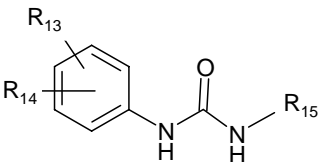
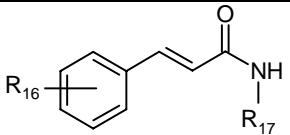
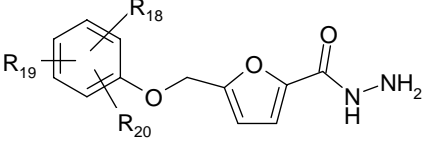
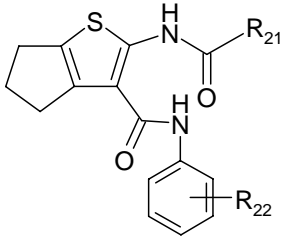
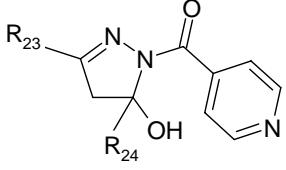
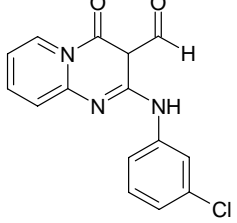
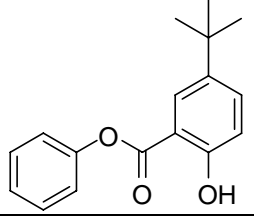
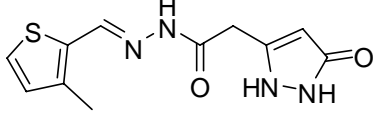
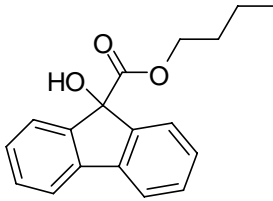
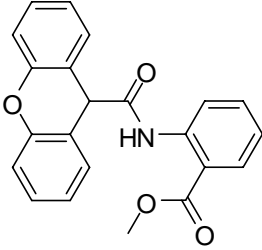
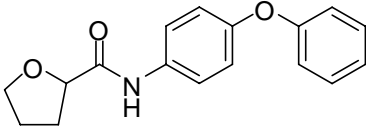
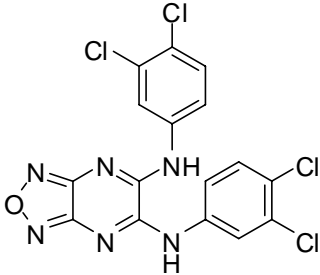


**Table S1** Chemo-informatic cluster analysis of the 135 confirmed hits

Scaffold Name	Scaffold Coding	Number of Compounds	Most Representative Molecule
Isonicotinohydrazides	I	69	
Benzamides	II	24	
Thiazolhydrazones	III	6	
Hydrazinecarbothioamides	IV	5	
Phenylurea	V	5	
Cinnamides	VI	4	
Furancarbohydrazides	VII	4	

			
Thiophenes	VIII	3	
Pyrazole-pyridines	IX	2	
Pyridopyrimidinone	X	1	
Singleton	XI	1	
Singleton	XII	1	

Singleton	XIII	1	
Singleton	XIV	1	
Singleton	XV	1	
Singleton	XVI	1	
Singleton	XVII	1	
Singleton	XVIII	1	

Singleton	XIX	1	
Singleton	XX	1	
Singleton	XXI	1	
Singleton	XXII	1	

X<sub>1</sub>=H, X<sub>2</sub>=N, R<sub>x</sub>=H unless specified; R<sub>4</sub>=2-fluorophenyl; R<sub>5</sub>=2-nitro; R<sub>7</sub>=4-nitro; R<sub>8</sub>=4-methoxy; n<sub>1</sub>=0; n<sub>2</sub>=1; R<sub>11</sub>=4-methoxy; A=phenyl, R<sub>12</sub>=4-isobutyl; R<sub>13</sub>=3-Cl; R<sub>14</sub>=2-CF<sub>3</sub>; R<sub>15</sub>=7,7 dimethylbicycloheptyl; R<sub>16</sub>=dioxolane; R<sub>17</sub>=7,7 dimethylbicycloheptyl; R<sub>18</sub>=4-Cl; R<sub>21</sub>=2-chlorophenyl; R<sub>22</sub>=2-chlorophenyl; R<sub>23</sub>=ethyl; R<sub>24</sub>=CF<sub>3</sub>.