Figure S1. Correlation analysis of tenuifolin with known compounds. Each row represents a different compound and its corresponding target, belonging to a different signalling pathway. Each column indicates a different tenuifolin concentration. Rectangles in different colours represent the correlation coefficient of a pair of drugs: red, high correlation; blue, low correlation.

Target	Compound	1 µM	10 µM	20 µM	30 µM
α2-Adrenaline agonist	Clonidine				
α2-Adrenaline agonist	Guanabenz Acetate				
α2-Adrenaline agonist	Guanfacine Hydrochloride				
α2-Adrenaline agonist α2-Adrenaline agonist	Tizanidine Hydrochloride UK 14304				_
β-Adrenaline agonist	R(-)-Isoproterenol (+)-Bitartrate				
β-Adrenaline agonist	Clenbuterol Hydrochloride				
β-Adrenaline agonist	Fenoterol Hydrobromide				
αl-Adrenaline antagonist	Nicergoline				
αl-Adrenaline antagonist	Prazosin				
α1-Adrenaline antagonist	Ifenprodil Tartrate				
α1-Adrenaline antagonist	5-Methyl-Urapidil				
αl-Adrenaline antagonist	Doxazosin Mesylate				
αl-Adrenaline antagonist	L-765314				
β-Adrenaline antagonist	Bopindolol Malonate				
β-Adrenaline antagonist	Carvedilol Tartrate				
5-HT-1A-serotonin agonist	Buspirone				
5-HT-1A-serotonin agonist	RU-24969				
5-HT-1D-serotonin agonist	Dihydroergotamine Mesylate				
5-HT-2/3-serotonin agonist	N-Methylquipazine				
5-HT-2/3-serotonin agonist	Quipazine				
5-HT-1A-serotonin antagonist	NAN-190 Hydrobromide				
5-HT-1A-serotonin antagonist	P-MPPF Dihydrochloride				
5-HT-1A-serotonin antagonist	S(-)-UH-301 Hydrochloride				
5-HT-1A-serotonin antagonist	WAY-100635 Maleate Salt				
5-HT-1A-serotonin antagonist	Spiroxatrine				
5-HT-1D-serotonin antagonist	Metergoline				
5-HT-2/3-serotonin antagonist	CINANSERIN				
5-HT-2/3-serotonin antagonist	Ketanserin Tartrate				
5-HT-2/3-serotonin antagonist	LY-53857				
5-HT-2/3-serotonin antagonist	Norcyclobenzaprine				
5-HT-reuptake inhibitors	6-Nitroquipazine				
5-HT-reuptake inhibitors	Fluoxetine Hydrochloride				
5-HT-reuptake inhibitors	Fluvoxamine Maleate				
5-HT-reuptake inhibitors	Paroxetine Hydrochloride				
5-HT-reuptake inhibitors	Zimelidine Dihydrochloride				
D1-Dopamine Agonist	(+/-)-Chloro-APB Hydrobromide				
D1-Dopamine Agonist	CY 208-243				
D1-Dopamine Agonist	R(+)-6-Bromo-APB Hydrobromide				
D1-Dopamine Agonist	SKF 83565 Hydrobromide				
D2-Dopamine Agonist	R(-)Apomorphine Hydrochloride Hemihydrate				
D2-Dopamine Agonist	Bromocriptine Mesylate				_
D2-Dopamine Agonist	Dipropyl-6,7-ADTN				
D2-Dopamine Agonist	Pergolide Methanesulfonate				
D2-Dopamine Agonist	S(-)-3PPP hydrochloride				
D2/3-Dopamine Agonist	Quinelorane Dihydrochloride				
D2/3-Dopamine Agonist	(-)-Quinpirole				
D2/3-Dopamine Agonist	Ropinirole Hydrochloride				
D4-Dopamine Agonist	PD 168077				
D1-Dopamine Antagonist	R(-)-SCH-12679 Maleate				
D1-Dopamine Antagonist	SCH 23390				
D2-Dopamine Antagonist	Benperidol				
D2-Dopamine Antagonist	Droperidol				
D2-Dopamine Antagonist	Domperidone				
D2-Dopamine Antagonist	L-741626				
D3-Dopamine Antagonist	GR 103691				
GABA-A-GABA Agonist	GBLD-345				_
GABA-A-GABA Agonist	Avermeetin B1				
GABA-B-GABA Agonist	CGP-13501 Endecution				
GABA-A-GABA Antagonist	Endosulfan				
GABA-A-GABA Antagonist	Heptachlor				
GABA-A-GABA Antagonist	Chlordane				
GABA-A-GABA Antagonist	Heptachlor Aldrin				
GABA-A-GABA Antagonist Neuroactive Steroid GABA Regulators	Allopregnanolone				
Neuroactive Steroid GABA Regulators	Allopregnanolone Alfadolone Acetate				
	. madolone recedite				
	8-Mathova 2-Propionamidatate				
Melatonin Agonist	8-Methoxy-2-Propionamidotetralin				
Melatonin Agonist H1-no HERG block-Histamine Antagonist	Chloropyramine Hydrochloride				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride Astemizole				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-ne HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride Astemizole Clemastine				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride Astemizole Clemastine Meclizine Hydrochloride				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride Astemizole Clemastine Meclizine Hydrochloride Oxatomide				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Dipheny lpyraline Hydrochloride Astemizole Clemastine Meelizine Hydrochloride Oxatomide Promethazine Hydrochloride				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride Astemizole Clemastine Meclizine Hydrochloride Oxatomide Promethazine Hydrochloride Terfenadine				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride Astemizole Clemastine Meclizine Hydrochloride Oxatomide Promethazine Hydrochloride Terfenadine Adenosine				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist Adenosine Agonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride Astemizole Clemastine Meclizine Hydrochloride Oxatomide Promechazine Hydrochloride Terfenadine Adenosine 2-Chloroadenosine				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist Adenosine Agonist Adenosine Agonist Al-Adenosine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Dipheny Ipyraline Hydrochloride Astemizole Clemastine Meelizine Hydrochloride Oxatomide Promethazine Hydrochloride Terfenadine Adenosine 2-Chloroadenosine 1,3-Diethyl-8-Phenylxanthine				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist Adenosine Agonist Al-Adenosine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Dipheny Ipyraline Hydrochloride Astemizole Clemastine Meclizine Hydrochloride Oxatomide Promethazine Hydrochloride Terfenadine Adenosine 2-Chloroadenosine 1,3-Diethy-8-Pheny Ixanthine 8-CyclopentyI-1,3-DipropyIxanthine				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist Adenosine Agonist Al-Adenosine Antagonist A3-Adenosine Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride Astemizole Clemastine Meclizine Hydrochloride Oxatomide Promethazine Hydrochloride Terfenadine Adenosine 1,3-Diethyl-8-Phenylxanthine &-Cyclopentyl-1,3-Dipropylxanthine MRS-1220				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist Adenosine Agonist Adenosine Antagonist Al-Adenosine Antagonist A3-Adenosine Antagonist NMDA-Glutamate Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride Astemizole Clemastine Meclizine Hydrochloride Oxatomide Promechazine Hydrochloride Terfenadine Adenosine 2-Chloroadenosine 1,3-Diethyl-8-Phenylxanthine 8-Cyclopentyl-1,3-Diproptkanthine MRS-120 7-Chlorokynurenic Acid				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist Adenosine Agonist Adenosine Agonist Al-Adenosine Antagonist Al-Adenosine Antagonist Al-Adenosine Antagonist NMDA-Glutamate Antagonist NMDA-Glutamate Antagonist	Chloropyramine Hydrochloride Clenizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride Astemizole Clemastine Meclizine Hydrochloride Oxatomide Promethazine Hydrochloride Terfenadine 2-Chloroadenosine 1,3-Diethyl-8-Phenylxanthine 8-Cyclopentyl-1,3-Dipropylxanthine MRS-1220 7-Cchlorokynurenic Acid CNS-1102				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist Adenosine Agonist Adenosine Antagonist A1-Adenosine Antagonist NMDA-Glutamate Antagonist NMDA-Glutamate Antagonist NMDA-Glutamate Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride Astemizole Clemastine Meelizine Hydrochloride Oxatomide Promethazine Hydrochloride Terfenadine Adenosine 2-Chloroadenosine 1,3-Diethyl-8-Phenylxanthine 8-Cyclopentyl-1,3-Dipropylxanthine MRS-1220 7-Chlorokynurenic Acid CNS-1102 L-689560				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist Adenosine Agonist Adenosine Antagonist A1-Adenosine Antagonist NMDA-Glutamate Antagonist NMDA-Glutamate Antagonist NMDA-Glutamate Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride Astemizole Clemastine Meclizine Hydrochloride Oxatomide Promethazine Hydrochloride Terfenadine Adenosine 2-Chloroadenosine 1.3-Diethyl-8-Phenylxanthine 8-Cycelopentyl-1,3-Dipropylxanthine MRS-1220 7-Chlorokynurenic Acid CNS-1102 L-689560 L-701324				
Melatonin Agonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-no HERG block-Histamine Antagonist H1-HERG block-Histamine Antagonist Adenosine Agonist Adenosine Agonist Al-Adenosine Antagonist Al-Adenosine Antagonist NMDA-Glutamate Antagonist NMDA-Glutamate Antagonist NMDA-Glutamate Antagonist NMDA-Glutamate Antagonist NMDA-Glutamate Antagonist NMDA-Glutamate Antagonist NMDA-Glutamate Antagonist	Chloropyramine Hydrochloride Clemizole Hydrochloride Loratadine Trimeprazine Tartrate Diphenylpyraline Hydrochloride Astemizole Clemastine Meclizine Hydrochloride Oxatomide Promethazine Hydrochloride Terfenadine Adenosine 2-Chloroadenosine 1,3-Diethyl-8-Phenylxanthine 8-Cyclopentyl-1,3-Diproptkanthine MRS-120 7-Chlorokynurenic Acid CNS-1102 L-689560 L-701232				
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