

Antidepressants

Depression is a common psychiatric disorder impacting millions of people worldwide. It is caused by an imbalance of chemicals in the brain, namely serotonin and noradrenaline¹. Everyone experiences highs and lows, but depression is characterised by persistent sadness for weeks or months². With depression there is lasting feeling of hopelessness, often accompanied by anxiety.





With depression there is lasting feeling of hopelessness, often accompanied by anxiety. Sufferers lose interest in things that they previously enjoyed, and experience bouts of tearfulness. Rational thinking and decision making are impacted. Physical manifestations include tiredness, insomnia, loss of appetite and sex drive, aches and pains². At its worst depression can cause the sufferer to feel suicidal.



Depression is usually treated with a combination of counselling and drug therapy. There is also evidence that exercise can help depression. Most people with moderate or severe depression benefit from antidepressant medication. There are a wide range of antidepressants on the market, which can be broadly divided according to mechanism of action³;

- Selective serotonin reuptake inhibitors (SSRIs)
- Serotonin-norepinephrine reuptake inhibitors (SNRIs)
- Serotonin modulator and stimulators (SMSs)
- Serotonin antagonist and reuptake inhibitors (SARIs)
- Norepinephrine reuptake inhibitors (NRIs or NERIs)
- Tetracyclic antidepressants (TeCAs)
- Tricyclic antidepressants (TCAs)
- Monoamine oxidase inhibitors (MAOIs)

Today the most common first choice of medication is a SSRI¹, i.e. Citalopram, Escitalopram, Fluvoxamine, Paroxetine, Sertraline, Fluoxetine.



Antidepressants are not addictive, but can result in withdrawal symptoms when therapy is stopped. These include stomach upset, flu-like symptoms, anxiety, dizziness, vivid dreams or electric shock sensations. In most cases symptoms are quite mild, and do not persist more than a week or two, but occasionally they can be quite severe. Onset occurs very soon after stopping, and so can be differentiated from depression relapse, which tends to occur later².



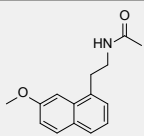
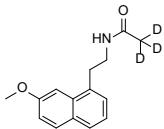
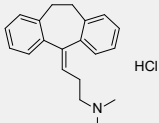
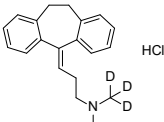
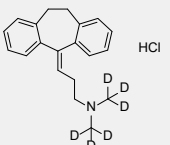
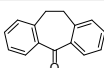
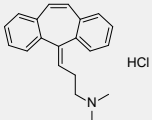
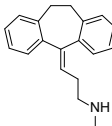
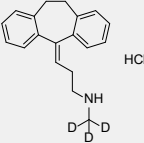
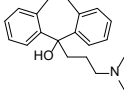
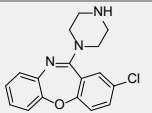
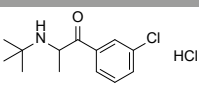
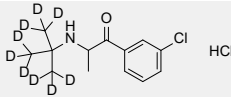
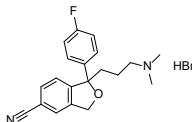
References:

[1] A. W. Jones, Perspectives in Drug Discovery: A collection of Essays on the History and Development of Pharmaceutical Substances. National Board of Forensic Medicine. RMV Report – 2010:1.

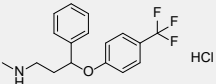
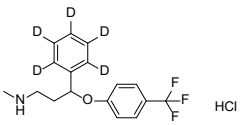
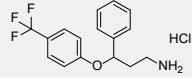
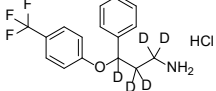
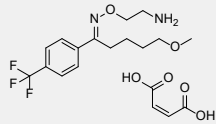
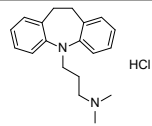
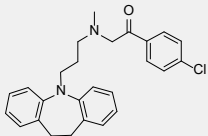
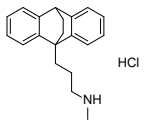
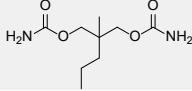
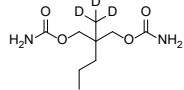
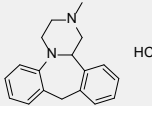
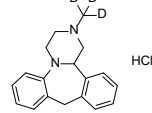
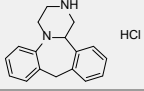
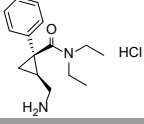
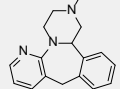
[2] NHS Choices Your health, your choices, Clinical depression <http://www.nhs.uk/Conditions/Depression/Pages/Introduction.aspx> (accessed August 16).

[3] Wikipedia – Key search terms 'antidepressants' 'depression' 'SSRI' (accessed August 2016).

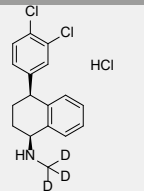
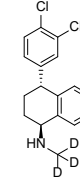
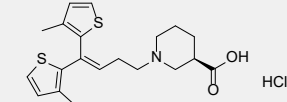
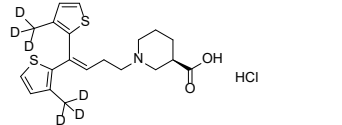
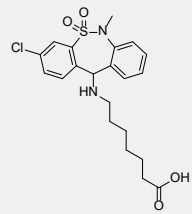
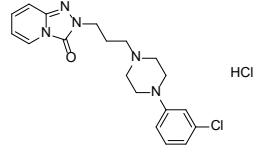
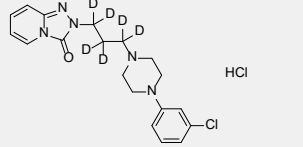
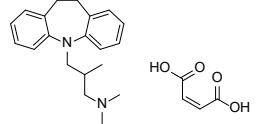
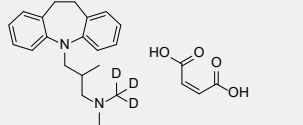
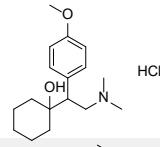
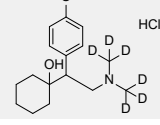
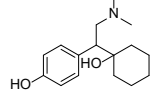
Antidepressants product listing

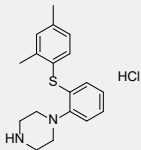
Chiron No.	Structure	Name	CAS
Agomelatine			
11892.15		Agomelatine	138112-76-2
14027.15		Agomelatine-d3 (acetamide-2,2,2-d3)	1079389-38-0
Amitriptyline			
2543.20		Amitriptyline hydrochloride	549-18-8
10343.20		Amitriptyline-d3 hydrochloride (N-methyl-d3)	342611-00-1
11852.20		Amitriptyline-d6 hydrochloride (N,N-dimethyl-d6)	203645-63-0
2544.15		Dibenzosuberone (Amitriptyline Imp. A (EP))	1210-35-1
2697.20		Cyclobenzaprine hydrochloride (Amitriptyline Imp. B (EP))	6202-23-9
2698.19		Nortriptyline hydrochloride (Amitriptyline Imp. C (EP))	894-71-3
9193.19		Nortriptyline-d3 hydrochloride (N-methyl-d3)	203784-52-5
2711.20		5-(3-Dimethylaminopropyl)-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ol (Amitriptyline Imp. D (EP))	1159-03-1
Amoxapine			
11992.17		Amoxapine	14028-44-5
Bupropion			
14181.13		Bupropion hydrochloride (Amfebutamone HCl)	31677-93-7
14019.13		(±)-Bupropion-d9 hydrochloride (tert-butyl-d9)	1189725-26-5
Citalopram			
9397.20		(±)-Citalopram hydrobromide	59729-32-7

Chiron No.	Structure	Name	CAS
Citalopram			
11330.19		(±)-Desmethylocitalopram hydrochloride (Norcitalopram HCl)	97743-99-2
9398.20		(±)-Citalopram-d4 hydrobromide (4-fluorophenyl-d4)	1219803-58-3
11631.20		(S)-Citalopram oxalate (Escitalopram oxalate)	219861-08-2
Clomipramine			
9530.19		Clomipramine hydrochloride	17321-77-6
10356.19		Clomipramine-d6 hydrochloride (N,N-dimethyl-d6)	1189882-28-7
14026.19		Clomipramine-d3 hydrochloride (N-methyl-d3)	1398065-86-5
10357.18		Norclomipramine hydrochloride (Desmethyloclopmipramine HCl)	29854-14-6
Desipramine			
11411.18		Desipramine hydrochloride (Imipramine HCl EP Imp A)	58-28-6
Dosulepin			
11413.19		Dosulepin hydrochloride (Dothiepin HCl)	897-15-4
Doxepin			
9400.19		Doxepin hydrochloride (cis+trans)	1229-29-4
9399.19		Doxepin-d3 hydrochloride (N-methyl-d3) (cis+trans)	347840-07-7 (as trans)
10360.18		Nordoxepin hydrochloride (cis+trans)	2887-91-4
Duloxetine			
10346.18		Duloxetine hydrochloride	136434-34-9
Fluoxetine			
9760.17		Fluoxetine	54910-89-3

Chiron No.	Structure	Name	CAS
Fluoxetine			
9291.17		Fluoxetine hydrochloride	56296-78-7
9292.17		Fluoxetine-d5 hydrochloride (phenyl-d5)	1173020-43-3
9402.16		Norfluoxetine hydrochloride	57226-68-3
9403.16		Norfluoxetine-d5 hydrochloride (propyl-1,1,2,2,3-d5)	1185132-92-6
Fluvoxamine			
10347.19		Fluvoxamine maleate	61718-82-9
Imipramine			
10853.19		Imipramine hydrochloride	113-52-0
Lofepramine			
11897.26		Lofepramine	23047-25-8
Maprotiline			
11898.20		Maprotiline hydrochloride	10347-81-6
Meprobamate			
9468.9		Meprobamate	57-53-4
9233.9		Meprobamate-d3	1185106-66-4
Mianserin			
9413.18		Mianserin hydrochloride	21535-47-7
9414.18		Mianserin-d3 hydrochloride (methyl-d3)	1219804-97-3
10354.17		Desmethyilmianserin (Normianserin)	71936-92-0
Milnacipran			
11889.15		Milnacipran hydrochloride	101152-94-7
Mirtazapine			
9288.17		Mirtazapine	85650-52-8

Chiron No.	Structure	Name	CAS
		Mirtazapine	
9455.17		Mirtazapine-d3 (N-methyl-d3)	1216678-68-0
12043.16		Desmethylmirtazapine dihydrochloride (Normirtazepine 2HCl)	61337-68-6 (free base)
		Moclobemide	
10732.13		Moclobemide	71320-77-9
		Nefazodone	
11899.20		Nefazodone hydrochloride	82752-99-6
		Opipramol	
11641.23		Opipramol	315-72-0
		Paroxetine	
9529.19		(-)-(3S,4R)-Paroxetine hydrochloride hemihydrate	110429-35-1
10367.19		(-)-(3S,4R)-Paroxetine-d6 maleate (methylene-d2, alpha-N-piperazine-d4)	1435728-64-5
		Phenelzine	
12482.8		Phenelzine-d5 sulfate (phenyl-d5) (2-Phenylethylhydrazine-d5 sulfate)	156-51-4 (unlabelled)
		Phenibut	
11395.10		Phenibut hydrochloride	3060-41-1
		Protriptyline	
11902.19		Protriptyline hydrochloride	1225-55-4
		Reboxetine	
14295.20		(+/-) Reboxetine mesylate	98769-84-7
		Sertraline	
9284.17		(+)-(1S,4S)-Sertraline hydrochloride	79559-97-0
12000.16		rac-Norsertraline hydrochloride	91797-57-8

Chiron No.	Structure	Name	CAS
Sertraline			
10601.17		(±)-cis-Sertraline-d3 hydrochloride (N-methyl-d3)	1217741-83-7
10602.17		(±)-trans-Sertraline-d3 hydrochloride (N-methyl-d3)	1330180-66-9
Tiagabine			
13770.20		Tiagabine hydrochloride	145821-59-6
13769.20		Tiagabine-methyl-d6 hydrochloride	1217808-68-8
Tianeptine			
14128.21		Tianeptine	72797-41-2
Trazodone			
10862.19		Trazodone hydrochloride	25332-39-2
12710.19		Trazodone-d6 hydrochloride (propyl-d6)	1181578-71-1
Trimipramine			
9415.24		Trimipramine maleate	521-78-8
9416.24		Trimipramine-d3 maleate (N-methyl-d3)	1185245-93-5
Venlafaxine			
9417.17		Venlafaxine hydrochloride	99300-78-4
9418.17		Venlafaxine-d6 hydrochloride (N,N-dimethyl-d6)	1062606-12-5
10335.16		O-Desmethylvenlafaxine	93413-62-8

Chiron No.	Structure	Name	CAS
		Vortioxetine	
11811.18		Vortioxetine hydrochloride	960203-28-5

Antidepressant Mixes

Chiron No.	Name	CAS	Concentration
S-4886-ASS-ME Antidepressant Mix 01: 13 components in 1 mL methanol			
9530.19	Clomipramine hydrochloride	17321-77-6	500 µmol/L
10357.18	Norclomipramine hydrochloride	29854-14-6	500 µmol/L
2543.20	Amitriptyline hydrochloride	549-18-8	250 µmol/L
9413.18	Mianserin hydrochloride	21535-47-7	250 µmol/L
10354.17	Desmethylmianserin	71936-92-0	250 µmol/L
2698.19	Nortriptyline hydrochloride	894-71-3	250 µmol/L
9529.19	Paroxetine hydrochloride hemihydrate	110429-34-1	250 µmol/L
9397.20	Citalopram hydrobromide	59729-32-7	250 µmol/L
11330.19	Desmethylcitalopram hydrochloride	97743-99-2	250 µmol/L
9760.17	Fluoxetine	54910-89-3	500 µmol/L
9402.16	Norfluoxetine hydrochloride	57226-68-3	500 µmol/L
9417.16	Venlafaxine hydrochloride	99300-78-4	625 µmol/L
10335.16	O-Desmethylvenlafaxine	93413-62-8	625 µmol/L

(as free base)

Chiron No.	Name	CAS	Concentration
S-4966-100-ME Antidepressant Mix 02: 19 components in 1 mL methanol			
2543.20	Amitriptyline hydrochloride	549-18-8	
9397.20	Citalopram hydrobromide	59729-32-7	
11631.20	(S)-Citalopram oxalate	219861-08-2	
9530.19	Clomipramine hydrochloride	17321-77-6	
11411.18	Desipramine hydrochloride	58-28-6	
9400.19	Doxepin hydrochloride (cis+trans)	1229-29-4 (trans)	
9291.17	Fluoxetine hydrochloride	56296-78-7	
10347.19	Fluvoxamine maleate	61718-82-9	
10853.19	Imipramine hydrochloride	113-52-0	
9413.18	Mianserin hydrochloride	21535-47-7	100 µg/mL
9288.17	Mirtazapine	85650-52-8	(as free base)
10732.13	Moclobemide	71320-77-9	
10357.19	Norclomipramine hydrochloride	29854-14-6	
2698.19	Nortriptyline hydrochloride	894-71-3	
11641.23	Opipramol	315-72-0	
9529.19	(-)-(3S,4R)-Paroxetine hydrochloride hemihydrate	110429-35-1	
9284.17	(+)-(1S,4S)-Sertraline hydrochloride	79559-97-0	
9415.24	Trimipramine maleate	521-78-8	
9417.17	Venlafaxine hydrochloride	99300-78-4	

(as free base)

Antipsychotic and Antidepressant Mixes

Chiron No.	Name	CAS	Concentration
S-4983-ASS-ME Antipsychotic & Antidepressant Mix 02: 6 components in 1 mL methanol			
11163.22	Fluphenazine dihydrochloride	146-56-5	10 µmol/L
			(4.38 µg/mL)
10712.23	cis-(Z)-Flupentixol dihydrochloride	51529-01-2	10 µmol/L
			(4.35 µg/mL)
9749.21	Perphenazine	58-39-9	10 µmol/L
			(4.04 µg/mL)
10284.22	Zuclophenthixol (cis+trans)	982-24-1	20 µmol/L
			(8.02 µg/mL)
9284.17	(+)-(1S,4S)-Sertraline hydrochloride	79559-97-0	100 µmol/L
			(30.62 µg/mL)
12000.16	rac-Norsertaline hydrochloride	91797-57-8	100 µmol/L
			(29.22 µg/mL)

(as free base)

Chiron No.	Name	CAS	Concentration
S-4932-25µM-ME Antipsychotic & Antidepressant Mix 01: 7 components in 1 mL methanol			
10345.21	Haloperidol	52-86-8	
3761.17	Olanzapine	132539-06-1	
11913.16	N-Desmethyloanzapine	161696-76-0	25 µM
10337.23	Risperidone	106266-06-2	(as free base)
10338.23	(9R)-9-Hydroxyrisperidone	144598-75-4	
9288.17	Mirtazapine	[85650-52-8]	
11189.16	Desmethylmirtazapine hydrochloride	61337-68-6 (free base)	

(as free base)

Chiron No.	Name	CAS	Concentration
S-5204-25µM-ME Antipsychotic & Antidepressant Mix 03: 8 components in 1 mL methanol			
10345.21	Haloperidol	52-86-8	
3761.17	Olanzapine	132539-06-1	
11913.16	N-Desmethyloanzapine	161696-76-0	
10337.23	Risperidone	106266-06-2	25 µM
10338.23	(9R)-9-Hydroxyrisperidone	144598-75-4	(as free base)
9288.17	Mirtazapine	85650-52-8	
12043.16	Desmethylmirtazapine dihydrochloride	61337-68-6 (freebase)	
11811.18	Vortioxetine hydrochloride	960203-28-5	

(as free base)

Chiron No.	Name	CAS	Concentration
S-4965-100-ME Antipsychotic Mix 01: 12 components in 1 mL methanol			
10349.17	Amisulpride	71675-85-9	
10793.21	Biperiden Hydrochloride (Mixture of diastereomers)	1235-82-1	
10350.17	Chlorpromazine hydrochloride	69-09-0	
9275.18	Clozapine	5786-21-0	
10345.21	Haloperidol	52-86-8	100 µg/mL
10338.23	9-Hydroxyrisperidone	144598-75-4	(as free base)
11913.16	N-Desmethyloanzapine	161696-76-0	
10807.17	Norclozapine (N-Desmethyl Clozapine)	6104-71-8	
3761.17	Olanzapine	132539-06-1	
10835.46	Quetiapine hemifumarate	111974-72-2	
10337.23	Risperidone	106266-06-2	
11419.21	Thioridazine hydrochloride	130-61-0	

(as free base)

For ordering and information about prices and delivery in your country, please contact your local distributor:



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