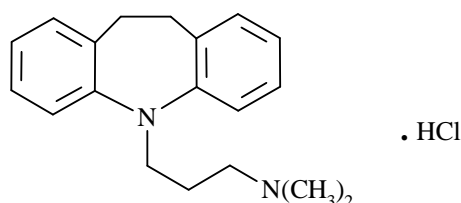


PRODUCT INFORMATION
TOFRANIL®
(imipramine hydrochloride)

NAME OF MEDICINE

Imipramine hydrochloride

Chemical structure:



Empirical formula: C₁₉ H₂₄ N₂ · HCl

Molecular weight: 316.9

CAS No: 113-52-0

DESCRIPTION

5-(3-Dimethylamino-propyl)-10,11-dihydro-5H-dibenz[b,f]azepine hydrochloride (imipramine hydrochloride). Imipramine hydrochloride is a white to yellowish powder. It is freely soluble in water, methanol, and ethanol; soluble in acetone; slightly soluble in ethyl acetate; and practically insoluble in ether and petroleum ether.

Tofranil tablets contain either 10mg or 25mg of the active drug, imipramine hydrochloride as well as the excipients: Silica - colloidal anhydrous, glycerol, lactose, magnesium stearate, starch-maize, stearic acid, - talc-purified, hypromellose, povidone, titanium dioxide, cellulose - microcrystalline, macrogol 8000, sucrose, iron oxide red (CI No. 77491), printing ink Opacode S-1-7020 (White) (Tofranil 10 mg tablets only), carnauba wax (Tofranil 25mg tablet only) and the printing ink InterWhite 2200A (Tofranil 25mg tablet only).

PHARMACOLOGY

Pharmacodynamics

Imipramine is a tricyclic antidepressant with a multivalent spectrum of pharmacological action, which includes alpha-adrenolytic, anti-histaminic, anticholinergic, and 5-HT-receptor blocking properties. However, the therapeutic activity of imipramine is believed to be based mainly on its ability to inhibit the neuronal re-uptake of noradrenaline (NA) and serotonin (5-HT).

Imipramine belongs to the category of so-called "mixed" re-uptake blockers, i.e. it has been shown to inhibit the re-uptake of NA and 5-HT to approximately the same extent in the rat brain.

Pharmacokinetics

Absorption:

Imipramine is well absorbed following oral administration. During its first passage through the liver, orally administered imipramine becomes partly converted to desmethylimipramine, which also exhibits antidepressant activity.

During oral administration of 50mg 3 times daily for 10 days, the mean steady-state plasma concentrations of imipramine and desmethylimipramine (on day 7 in four healthy male volunteers) were 33 to 85ng/mL and 43 to 109ng/mL respectively. Owing to lower clearance from the plasma, resulting in greater systemic availability, elderly patients require lower doses of imipramine than patients in intermediate age groups.

Distribution:

Protein binding: Mean 86%

Distribution volume: Mean 21 L/kg

Plasma half-life: Mean approximately 20 hours.

Excretion:

Approximately 80% is excreted in the urine and 20% in the faeces, chiefly in the form of inactive metabolites.

INDICATIONS

- Major depression.
- Nocturnal enuresis (from the age of 5 years onwards and provided the possibility of organic causes has first been excluded).

CONTRAINDICATIONS

- Known hypersensitivity to imipramine or any of the excipients in the tablets.
- Cross-sensitivity to tricyclic antidepressants of the dibenzazepine group.
- Concomitant use with a MAO-inhibitor, or within 14 days before or after treatment with an irreversible MAO inhibitor, or within 14 days before moclobemide, a reversible MAO inhibitor. Refer to "PRECAUTIONS-Interaction with other Drugs" regarding moclobemide.
- Acute and recovery stages of myocardial infarction.

PRECAUTIONS

Clinical Worsening and Suicide Risk:

The risk of suicide is inherent in depression and may persist until significant remission occurs. This risk must be considered in all depressed patients.

Patients with depression may experience worsening of their depressive symptoms and/or the emergence of suicidal ideation and behaviours (suicidality) whether or not they are taking antidepressant medications, and this risk may persist until significant remission occurs. As improvement may not occur during the first few weeks or more of treatment, patients should be closely monitored for clinical worsening and suicidality, especially at the beginning of a course of treatment, or at the time of dose changes, either increases or decreases.

Consideration should be given to changing the therapeutic regimen, including possibly discontinuing the medication, in patients whose depression is persistently worse or whose emergent suicidality is severe, abrupt in onset, or was not part of the patient's presenting symptoms. Patients (and caregivers of patients) should be alerted about the need to monitor for any worsening of their condition and/or the emergence of suicidal ideation/behaviour or thoughts of harming themselves and to seek medical advice immediately if these symptoms present. Patients with co-morbid depression associated with other psychiatric disorders being treated with antidepressants should be similarly observed for clinical worsening and suicidality.

Patients with a history of suicide-related events, or those exhibiting a significant degree of suicidal ideation prior to commencement of treatment, are at greater risk of suicidal thoughts or suicidal attempts, and should receive careful monitoring during treatment.

Pooled analyses of 24 short-term (4-16 weeks), placebo-controlled trials of nine antidepressant medicines (SSRIs and others) in 4400 children and adolescents with major depressive disorder (16 trials), obsessive compulsive disorder (4 trials), or other psychiatric disorders (4 trials) have revealed a greater risk of adverse events representing suicidal behaviour or thinking (suicidality) during the first few months of treatment in those receiving antidepressants. The average risk of such events in patients treated with an antidepressant was 4%, compared with 2% of patients given placebo. There was considerable variation in risk among the antidepressants, but there was a tendency towards an increase for almost all antidepressants studied. The risk of suicidality was most consistently observed in the major depressive disorder trials, but there were signals of risk arising from trials in other psychiatric indications (obsessive compulsive disorder and social anxiety disorder) as well. No suicides occurred in these trials. It is unknown whether the suicidality risk in children and adolescent patients extends to use beyond several months. The nine antidepressant medicines in the pooled analysis included five SSRIs (citalopram, fluoxetine, fluvoxamine, paroxetine, sertraline) and four non-SSRIs (bupropion, mirtazapine, nefazodone, venlafaxine).

Pooled analysis of short-term studies of antidepressant medications have also shown an increased risk of suicidal thinking and behaviour, known as suicidality, in young adults ages 18 to 24 during initial treatment (generally the first one to two months). Short-term studies

did not show an increase in the risk of suicidality with antidepressants compared to placebo in adults beyond the age of 24 years; there was a reduction with antidepressants compared to placebo in adults aged 65 years and older.

Symptoms of anxiety, agitation, panic attacks, insomnia, irritability, hostility (aggressiveness), impulsivity, akathisia (psychomotor restlessness), hypomania, and mania, have been reported in adults, adolescents and children being treated with antidepressants for major depressive disorder as well as for other indications, both psychiatric and nonpsychiatric. Although a causal link between the emergence of such symptoms and either worsening of depression and/or emergence of suicidal impulses has not been established, there is concern that such symptoms may be precursors of emerging suicidality.

Families and caregivers of children and adolescents being treated with antidepressants for major depressive disorder or for any other condition (psychiatric or nonpsychiatric) should be informed about the need to monitor these patients for the emergence of agitation, irritability, unusual changes in behaviour, and other symptoms described above, as well as the emergence of suicidality, and to report such symptoms immediately to health care providers. It is particularly important that monitoring be undertaken during the initial few months of antidepressant treatment or at times of dose increase or decrease.

Prescriptions for Tofranil should be written for the smallest quantity of tablets consistent with good patient management, in order to reduce the risk of overdose.

Caution in the Following Circumstances

Caution is called for when employing tricyclic antidepressants in patients with:

- Cardiovascular insufficiency, atrioventricular block (grades I to III), and arrhythmias. Monitoring of cardiovascular function and the ECG is required in such patients, especially in the elderly. Myocardial infarction, precipitation of congestive cardiac failure, stroke and sudden death have been reported with drugs of this class.
- Isolated cases of QTc prolongation and very rare cases of ventricular tachycardia and sudden unexplained death have occurred at supra-therapeutic doses of Tofranil which have primarily occurred in conjunction with overdose, but also in a few reports of comedication that itself can lead to a prolonged QTc interval (e.g. thioridazine).
- A history of increased intraocular pressure, narrow-angle glaucoma.
- Disorders of micturition due to an impeded flow of urine (e.g. in diseases of the prostate)
- A low convulsion threshold (e.g. due to brain damage of varying aetiology, epilepsy, concomitant use of other drugs such as neuroleptics that may lower the seizure threshold, and withdrawal from alcohol or drugs with anticonvulsive properties e.g. benzodiazepines). The occurrence of seizures seems to be dose-dependent. The recommended total daily dose of Tofranil should therefore not be exceeded.
- Severe hepatic or renal diseases.

- Tumours of the adrenal medulla (e.g. pheochromocytoma, neuroblastoma), in whom the drug may provoke hypertensive crises.
- Hyperthyroidism, or concomitant treatment with thyroid preparations, since aggravation of unwanted cardiac effects can generally be expected to occur owing to the anticholinergic action.
- Chronic constipation as tricyclic antidepressants may cause paralytic ileus, particularly in elderly and in bedridden patients.

A daily dose of 2.5mg/kg of imipramine should not be exceeded in children owing to possible cardiotoxic effects (refer to **DOSAGE AND ADMINISTRATION**).

Concomitant use of Tofranil and electroconvulsive therapy should only be undertaken under careful supervision.

Many patients with panic disorder experience intensified anxiety symptoms at the start of the treatment with antidepressants. This paradoxical initial increase in anxiety is most pronounced during the first few days of treatment and generally subsides within two weeks.

Tofranil may cause anxiety, feelings of unrest, and hyperexcitation in agitated patients and psychosis may be activated in schizophrenic patients.

A swing from depression to hypomania or mania is possible in patients with bipolar affective disorders. In such cases it may be necessary to withdraw Tofranil and administer drugs to control the mania. After such episodes have subsided, low-dose therapy with Tofranil may be resumed if required.

In predisposed and elderly patients, particularly at night, Tofranil may provoke pharmacogenic (delirious) psychosis, which disappears without treatment within a few days of withdrawing the drug.

Treatment discontinuation:

Abrupt withdrawal should be avoided because of possible adverse reactions. If the decision has been made to discontinue treatment, medication should be tapered, with recognition that abrupt discontinuation can be associated with certain symptoms (Refer to "**ADVERSE EFFECTS**").

Patient monitoring:

Before starting treatment it is advisable to check the patient's blood pressure, because individuals with hypotension or a labile circulation may react to the drug with a fall in blood pressure.

The blood count should be monitored during treatment with Tofranil (especially if the patient develops fever, sore throat, or other symptoms such as are associated with influenza)

infections), since isolated cases of agranulocytosis have been associated with the use of tricyclic antidepressants. This is particularly called for during the first few months of therapy and during prolonged treatment.

In patients with known liver disease or a history of liver disease, periodic monitoring of hepatic enzyme levels is recommended. (Refer to "**ADVERSE EFFECTS-Liver**"). It is also recommended that patients with known renal impairment be monitored.

Treatment with tricyclic antidepressants can lead to an increased incidence of dental caries.

Decreased lacrimation and accumulation of mucoid secretions may cause damage to the corneal epithelium in patients with contact lenses.

Other:

Before elective surgery, Tofranil should be discontinued for as long as the clinical situation will allow. Before general or local anaesthesia, the anaesthetist should be aware that the patient has been receiving Tofranil (Refer to "Interaction with Other Drugs-Alcohol and Other Central Nervous System Depressants").

Animal pharmacology and toxicology:

A. Acute: Oral LD₅₀ ranges are as follows:

Rat - 355 to 682mg/kg

Dog - 100 to 215mg/kg

Depending on the dosage in both species, toxic signs proceeded progressively from depression, irregular respiration and ataxia to convulsions and death.

B. Reproduction/Teratogenic: The overall evaluation may be summarised as follows:

Oral: Independent studies in three species (rat, mouse and rabbit) revealed that when Tofranil is administered orally in doses up to approximately two and a half times the maximum human dose in the first two species and up to 25 times the maximum human dose in the third species, the drug is essentially free from teratogenic potential. In the three species studied only one instance of fetal abnormality occurred (in the rabbit) and in that study there was likewise an abnormality in the control group. However, evidence does exist from the rat studies that some systemic and embryotoxic potential is demonstrable. This is manifested by reduced litter size, a slight increase in the stillborn rate and a reduction in the mean birth weight.

Use in Pregnancy (Category C)

Drugs which, owing to their pharmacological effects, have caused or may be suspected of causing harmful effects on the human fetus or neonate without causing malformations. These effects may be reversible.

Experience with Tofranil in pregnancy is limited. Since there have been isolated reports of a possible connection between the use of Tofranil and adverse effects on the fetus, treatment with Tofranil should be avoided during pregnancy, and only considered if the benefits expected justify the potential risk for the fetus.

Babies whose mothers had taken Tofranil up until delivery showed symptoms, such as dyspnoea, lethargy, colic, irritability, hypotension or hypertension, tremor or spasms, during the first month of life. To avoid such symptoms, Tofranil should if possible be gradually withdrawn at least 7 weeks before the calculated date of confinement.

Use in Lactation

Imipramine and desmethylimipramine pass into human milk in small quantities. Since nothing is known about the clinical relevance of this finding to the infant, babies should be weaned or the medication gradually withdrawn.

Use in Children and Adolescents (< 18 years)

The safety and efficacy of Tofranil for the treatment of depression or other psychiatric disorders in children and adolescents aged less than 18 years has not been satisfactorily established. Tofranil should not be used in this age group for the treatment of depression or other psychiatric disorders.

Lactose and sucrose:

Tofranil tablets contain lactose and sucrose. Patients with rare hereditary problems of galactose intolerance, fructose intolerance, severe lactase deficiency, sucrase-isomaltase insufficiency or glucose-galactose malabsorption should not take Tofranil tablets.

Effects on ability to drive or use machines:

Tofranil may cause fatigue, blurred vision, somnolence and other central nervous symptoms (Refer to "**ADVERSE EFFECTS**") which may impair the patient's reactions. Patients must therefore be warned against engaging in activities that require quick reactions, such as driving motor vehicles and operating machines. Patients should also be warned that alcohol or other drugs may potentiate these effects (Refer to "Interaction with other Drugs").

Interaction with Other Drugs

MAO-inhibitors: If Tofranil is to be used after treatment with a MAO inhibitor, it is absolutely essential that an interval of at least 14 days should elapse before starting therapy, otherwise severe interactions may occur (e.g., hyperactivity, hypertensive crisis, hyperpyrexia, spasticity, convulsions, coma or death). The same precaution should be taken when administering a MAO inhibitor after previous treatment with Tofranil. In either instance, medication with Tofranil or with the MAO inhibitor should be started cautiously and the dosage slowly raised stepwise until the optimum response is obtained (Refer to "**CONTRAINDICATIONS**").

There is evidence to suggest that Tofranil may be given as little as 24 hours after a reversible MAO-A inhibitor such as moclobemide, but the two week washout period must be observed if the MAO-A inhibitor is given after Tofranil has been used. Patients should be monitored for symptoms suggestive of serotonergic syndrome (serotonin syndrome).

Antihypertensive agents: Since tricyclic antidepressants may reduce or abolish the antihypertensive effect of clonidine, guanethidine, bethanidine, reserpine and methyldopa, antihypertensive agents with a different mode of action should be used, if necessary (e.g. diuretics, beta-blockers).

Sympathomimetic amines: The cardiovascular effects of sympathomimetic agents, such as adrenaline, noradrenaline, and amphetamine may be potentiated by tricyclic antidepressants. This includes sympathomimetic amines in nose drops or in local anaesthetic preparations.

Alcohol and other central nervous system depressants: Tricyclic antidepressants may also increase the effect of alcohol and central depressant drugs (e.g. barbiturates, benzodiazepines, or general anaesthetics).

Anticholinergic agents: When tricyclic antidepressants are given in combination with anticholinergics including those used to treat Parkinson's disease or neuroleptics such as phenothiazines with an anticholinergic action, hyperexcitation states or delirium may occur, as well as attacks of glaucoma, urinary retention or paralytic ileus.

Antiarrhythmic agents: Tricyclic antidepressants should not be employed in combination with antiarrhythmic agents of the quinidine type.

Selective serotonin reuptake inhibitors (SSRI): Comedication may lead to additive effects on the serotonergic system. SSRIs such as fluoxetine may also increase plasma concentrations of imipramine with corresponding adverse effects.

Liver enzyme-inducers: Substances which activate the hepatic mono-oxygenase enzyme system (e.g. barbiturates, phenytoin, carbamazepine, nicotine) may lower the plasma concentration of tricyclic antidepressants and so reduce their effect. In addition, concomitant administration of a tricyclic antidepressant with phenytoin or carbamazepine may lead to elevated serum phenytoin or carbamazepine concentrations. If necessary, the doses of the drugs should be adjusted accordingly.

Neuroleptic agents: Neuroleptic agents (e.g. phenothiazines) may increase the plasma concentration of imipramine, a lowered convulsion threshold and seizures. Combination with thioridazine may produce severe cardiac arrhythmias.

Benzodiazepines: It might be necessary to lower the dosage of the tricyclic antidepressant if administered concomitantly with alprazolam. No such effects are known to occur in combination with diazepam.

Disulfiram: It may be necessary to lower the dosage of imipramine if administered concomitantly with disulfiram.

Anticoagulants: Tricyclic antidepressants may potentiate the anticoagulant effect of coumarin drugs due to their inhibition of hepatic metabolism. Careful monitoring of plasma prothrombin is therefore advised.

Cimetidine: Since cimetidine raises the plasma concentration of imipramine, the dosage of imipramine should be reduced if the two drugs are administered concurrently; by contrast, ranitidine does not alter the kinetics of imipramine.

Methylphenidate: Methylphenidate may raise the plasma concentration of tricyclics and so intensify their antidepressant effect.

Oestrogens: If administered concomitantly with oestrogens, the dose of imipramine should be reduced, since steroid hormones inhibit the metabolism of imipramine.

ADVERSE EFFECTS

Adverse reactions do not always correlate with plasma drug levels or dose. If severe neurological or psychiatric reactions occur, Tofranil should be withdrawn. Elderly patients are particularly susceptible to anticholinergic, neurological, psychiatric, and cardiovascular effects.

Reporting frequencies are described as follows:

Very common: > 10%

Common: 1 - 10%

Uncommon: 0.1 - 1%

Rare: 0.01 - 0.1%

Very rare: < 0.01%

Infections and infestations

Very rare: Dental caries

Blood and lymphatic system disorders

Very rare: Leucopenia, agranulocytosis, eosinophilia, thrombocytopenia

Immune system disorder

Very rare: Anaphylactic reaction

Endocrine disorders

Very rare: Inappropriate antidiuretic hormone secretion

Metabolism and nutrition disorders

Very common: Weight increased

Common: Anorexia

Very rare: Blood glucose increase, blood glucose decrease, weight decreased

Psychiatric disorders

Common: Restlessness, confusion, delirium, hallucinations, anxiety, agitation, mania, hypomania, libido disorder, sleep disorder, disorientation

Rare: Psychotic disorder

Very rare: Aggression

Nervous system disorders

Very Common: Tremor

Common: Dizziness, headache, somnolence , paraesthesias

Rare: Convulsions

Very rare: Myoclonus, extrapyramidal disorder , ataxia, speech disorders, electroencephalogram abnormal

Eye disorders

Common: Blurred vision, disorders of visual accommodation, lacrimation decreased

Very rare: Mydriasis, glaucoma

Ear and labyrinth disorders

Very rare: Tinnitus

Cardiac disorders

Very common: Sinus tachycardia, electrocardiogram abnormalities (eg ST and T wave changes)

Common: Arrhythmias, palpitations, conduction disorders (e.g. widening of QRS complex, bundle branch block, PR changes)

Very rare: Cardiac failure, QT interval prolongation, ventricular arrhythmia, ventricular tachycardia, ventricular fibrillation, torsades de pointes

Vascular disorders

Very common: Hot flushes, orthostatic hypotension
Very rare: Purpura, petechiae, vasospasm, blood pressure increase, stroke

Respiratory, thoracic and mediastinal disorders

Very rare: Alveolitis allergic (with or without eosinophilia)

Gastrointestinal disorders

Very common: Dry mouth, constipation
Common: Nausea, vomiting
Very rare: Ileus paralytic, stomatitis, abdominal disorders, tongue ulceration

Hepatobiliary disorders

Common: Liver function test abnormal
Very rare: Hepatitis (with or without jaundice), acute hepatitis, hepatic necrosis

Skin and subcutaneous tissue disorders

Very common: Hyperhidrosis
Common: Dermatitis allergic, rash, urticaria
Very rare: Pruritis, photosensitivity reactions, alopecia, skin hyperpigmentation

Renal and urinary disorders

Common: Micturition disorder
Very rare: Urinary retention

Reproductive system and breast disorders

Very rare: Hypertrophy breast, galactorrhoea

General disorders and administration site conditions

Common: Fatigue
Very rare: Asthenia, oedema (localised or generalised), pyrexia, sudden death

Withdrawal symptoms:

Common: Although not indicative of addiction, withdrawal symptoms follow abrupt discontinuation of treatment or reduction of the dose: nausea, vomiting, abdominal pain, diarrhoea, insomnia, headache, nervousness and anxiety (refer to “**PRECAUTIONS – Treatment discontinuation**”).

DOSAGE AND ADMINISTRATION

General

The dosage should be determined individually and adapted to the patient's condition. In principle, every effort must be made to achieve an optimum effect while keeping the dose as low as possible and increasing the dosage cautiously, particularly when treating elderly patients, who generally show a more marked response to Tofranil than patients belonging to intermediate age groups.

During treatment with Tofranil patients must be kept under close surveillance with respect to the efficacy and tolerability of the medication.

Major Depression

Treatment in ambulatory patients:

Initiate treatment with 25mg up to three times daily. Raise the daily dosage stepwise to 150 to 200mg. This dosage should be reached by the end of the first week and adhered to until a clear-cut improvement has occurred. The subsequent maintenance dose, which must be individually determined by cautiously reducing the dosage, usually amounts to 50 to 100mg daily.

Treatment in hospitalised patients:

Initiate treatment with 25mg three times a day. Raise the daily dosage stepwise by 25mg, until a dose of 200mg has been reached, and adhere to this dose until the depressive condition has improved. In severe cases the dose may be increased to 100mg three times a day. Once a distinct improvement has set in, the subsequent daily maintenance dose should be determined according to the patient's individual requirements (generally 100mg).

Use in children and adolescents (< 18 years):

The safety and efficacy of Tofranil for the treatment of depression or other psychiatric disorders in children and adolescents aged less than 18 years has not been satisfactorily established. Tofranil should not be used in this age group for the treatment of depression or other psychiatric disorders (refer to "PRECAUTIONS").

Geriatrics:

Start treatment with 1 tablet of 10mg daily. Gradually raise the dosage to an optimum level of 30 to 50mg daily, which should be reached after about 10 days and then adhered to until the end of treatment.

Nocturnal Enuresis

Children 5 years and over only:

The initial daily dose is:

5 to 8 years of age: 2 or 3 tablets of 10mg,

9 to 12 of age: 1 to 2 tablets of 25mg,

In older children: 1 to 3 tablets of 25mg.

The higher doses apply to those cases which do not respond fully to treatment within one week. The tablets should be given in a single dose after the evening meal, although children who wet their beds early in the night should be given part of the dose beforehand (at 4pm.). Once the desired response has been achieved the treatment should be continued (for 1 to 3 months), reducing the dose stepwise to the maintenance dose.

A daily dosage of 2.5mg/kg should not be exceeded in children. The safety and efficacy of imipramine as temporary adjunctive treatment for nocturnal enuresis in children less than 5 years of age have not been established.

OVERDOSAGE

In children accidental ingestion of any amount should be regarded as serious and potentially fatal.

Signs and symptoms:

The first signs and symptoms of poisoning with tricyclic antidepressants generally take the form of severe anticholinergic reactions, which set in about 1/2 to 2 hours after the drug has been taken.

The severity of poisoning with tricyclic antidepressants depends on various factors, such as the amount of the drug absorbed, the time elapsing between its ingestion and the start of treatment, and the patient's age.

The following signs and symptoms may be encountered:

- Central nervous system: drowsiness, stupor, coma, ataxia, restlessness, agitation, mydriasis.
- Cardiovascular: arrhythmia, tachycardia, conduction disorders, hypotension, shock, heart failure; in very rare cases, cardiac arrest.
- Respiratory system: respiratory depression, cyanosis, apnoea.
- Other: vomiting, fever, sweating, and oliguria or anuria may occur.
- Isolated cases of QT prolongation, torsades de pointes and death have been reported in overdose.

Treatment:

There is no specific antidote and treatment is essentially symptomatic and supportive. Where the drug has been taken by mouth, activated charcoal should be administered.

Anyone suspected of receiving an overdose of Tofranil, particularly children, should be hospitalised and kept under close surveillance for at least 72 hours. Severe poisoning with

tricyclic drugs requires immediate hospitalisation and continuous cardiovascular monitoring for at least 48 hours.

In all patients with ECG abnormalities, cardiac function should be kept under close observation well after the ECG tracings have reverted to normal, because relapses may occur.

The following measures should be taken in cases of overdose:

- In respiratory failure: intubation and artificial respiration.
- In severe hypotension: place the patient in an appropriate position and give a plasma expander.
- Cardiac arrhythmias must be treated according to the requirements of the case.
- Implantation of a cardiac pacemaker should be considered in cases of bradycardia, heart block not responding to alkalisation or treatment with isoprenaline.
- Low potassium values and acidosis should be corrected.
- In convulsions: diazepam should be given i.v. Other anticonvulsants may be required.

Dialysis and haemodialysis are of no use.

Safety note concerning children:

Tofranil must be kept out of the reach and sight of children.

PRESENTATION AND STORAGE CONDITION

Tofranil Tablets 10 mg - Red-brown, triangular-shaped, convex one side is branded “CG”, the other ‘FT’ in white ink: 50’s.

Tofranil Tablets 25 mg - Reddish-brown, round, convex, one side is branded “CG”, the other “CZ” in white ink ;50’s.

NAME AND ADDRESS OF THE SPONSOR

Link Medical Products PTY LTD.
18/6A Prosperity Parade
Warriewood NSW 2102

POISON SCHEDULE OF THE MEDICINE

Schedule 4

DATE OF APPROVAL

Date of TGA approval

10 January 2005

Date of recent amendment

27 January 2009

Version 01