(Amisulpride Tablets 50 mg, 100 mg, 200 mg, 300 mg & 400 mg)

AMAZEO

Each film coated tablet contains

Each film coated tablet contains :

Each film coated tablet contains

Each film coated tablet contains

Each film coated tablet contains :

sulphonyl)- 2-methoxybenzamide.

Molecular Formula : C17H27N3O4S

has the following structural formula

THERAPEUTIC CATEGORY

PHARMACODYNAMICS :

PHARMACOLOGICAL PROPERTIES

related to its preferential limbic activity.

PHARMACOKINETICS :

Neurolentic

400 mg

Class: Neuroleptic of the benzamide class

a s

4-Amino-N-[[(2RS)-1-ethylpyrrolidin-2-yl]methyl]-5-(ethyl

Amisulpride is a white or almost white crystalline powder which

is practically insoluble in water, freely soluble in methylene

chloride, sparingly soluble in anhydrous ethanol, Amisulpride

OCH₃

Amisulpride binds selectively to the human dopaminergic D2 (Ki

2.8 nM) and D₃ (Ki 3.2 nM) receptor subtypes without any

affinity for D_1 , D_4 and D_5 receptor subtypes (Ki > 1 μ M). Unlike

classical and atypical neuroleptics, amisulpride displays low affinity for serotonin, α -adrenergic, histamine H₁ receptor

subtypes, muscarinic receptors and sigma sites. In the rodent, it

preferentially blocks post-synaptic D₂ receptors located in the

limbic structures as compared to those in the striatum as

indicated by its reversal of d-amphetamine- induced

hyperactivity without affecting stereotypies. In addition, it does

not induce catalepsy and it does not produce D2 hypersensitivity

after repeated treatment. Moreover, it preferentially blocks

pre-synaptic D₂/D₃ dopamine receptors, producing dopamine release responsible for its disinhibitory effects. This atypical

pharmacological profile may explain amisulpride's antipsychotic

effect at higher doses through post-synaptic dopamine receptor blockade located in the limbic areas and its efficacy against

negative symptoms, at lower doses, through presynaptic

dopamine receptor blockade. In addition, the reduced tendency

of amisulpride to produce extra pyramidal side effects may be

Amisulpride B.P. 300 mg

Colour : Titanium Dioxide

Colour : Titanium Dioxide

Molecular Weight : 369.5

Amisulpride B.P. 200 mg

Amisulpride B.P. 100 mg

50 ma

a.s

COMPOSITION -

Amisulpride B P

AMAZEO 100

AMAZEO 200

AMAZEO 300

Excipients

Excipients

AMAZEO 400

Amisulpride B.P.

PROPERTIES

Chemical Name

Colour : Titanium Dioxide

Colour : Titanium Dioxide

Excipients Colour : Titanium Dioxide

AMAZEO 50

Excipients

Excipients

xxxxxxxx-8883

A high-carbohydrate low-fat meal (14 g protein, 8 g fat, 108 g CHO) significantly decreases the AUC. Tmax and Cmax of amisulpride, but no changes were seen after a high fat meal. However, the significance of these findings in routine clinical use is not known.

SPECIAL POPULATION

Renal insufficiency: In patients with renal insufficiency systemic clearance is reduced by a factor of 2.5 to 3. The AUC of amisulpride in mild renal failure increased two-fold and almost tenfold in moderate renal failure. Experience is, however, limited and there is no data with doses greater than 50 mg. Amisulpride is very weakly dialysed. Limited Pharmacokinetic data in elderly subjects (> 65 years) show that a 10-30% rise occurs in Cmax, T1/2 and AUC after a single oral dose of 50 mg. No data are available after repeat dosing. THERAPEUTIC INDICATION :

For acute and chronic schizophrenic disorders, in which positive and negative symptoms are prominent, including patients characterised by predominant negative symptoms. CONTRAINDICATIONS :

Hypersensitivity to the active ingredient or to other ingredients of the product. Concomitant prolactin-dependent tumours e.g. pituitary gland

prolactinomas and breast cancer. Phaeochromocytoma Children up to puberty

Combination with levodona

WARNINGS AND PRECAUTIONS:

As with other neuroleptics, Neuroleptic Malignant Syndrome, characterised by hyperthermia, muscle rigidity, autonomic instability, altered consciousness and elevated CPK, may occur. In the event of hyperthermia, particularly with high daily doses. all antipsychotic drugs including amisulpride should be discontinued

Hyperglycaemia has been reported in patients treated with some atypical antipsychotic agents, including amisulpride, therefore patients with an established diagnosis of diabetes mellitus or with risk factors for diabetes who are started on amisulpride,

should get appropriate glycaemic monitoring Amisulpride is eliminated by the renal route. In cases of severe renal insufficiency, the dose could be decreased or intermittent

treatment should be considered. Amisulpride may lower the seizure threshold. Therefore patients with a history of epilepsy should be closely monitored during

amisulpride therapy. In elderly patients, amisulpride, like other neuroleptics, should

be used with particular caution because of a possible risk of hypotension or sedation As with other antidopaminergic agents, caution should be also

exercised when prescribing amisulpride to patients with Parkinson's disease since it may cause worsening of the disease. Amisulpride should be used only if neuroleptic treatment cannot be avoided.

Withdrawal symptoms have been described after abrupt cessation of high therapeutic doses of antipsychotic drugs. The emergence of involuntary movement disorders (such as akathisia dystonia and dyskinesia) has been reported with amisulpride. Therefore, gradual withdrawal of amisulpride is advisable

Prolongation of the QT interval

Caution should be exercised when amisulpride is prescribed in patients with known cardiovascular disease or family history of QT prolongation, and concomitant use with neuroleptics should he avoided Stroke

In randomized clinical trials versus placebo performed in a population of elderly patients with dementia and treated with certain atypical antipsychotic drugs, a 3-fold increase of the risk of cerebrovascular events has been observed. The mechanism of such risk increase is not known. An increase in the risk with other antipsychotic drugs or other populations of patients cannot be excluded. Amisulpride should be used with caution in natients with stroke risk factors

Increased Mortality in Elderly people with Dementia:

Data from two large observational studies showed that elderly people with dementia who are treated with antipsychotics are at a small increased risk of death compared with those who are not treated. There are insufficient data to give a firm estimate of the precise magnitude of the risk and the cause of the increased risk is not known. Amisulpride is not licensed for the treatment of dementia-related behavioural disturbances.

Venous thromboembolism:

Cases of venous thromboembolism (VTE) have been reported with antipsychotic drugs. Since patients treated with antipsychotics often present with acquired risk factors for VTE. all possible risk factors for VTE should be identified before and during treatment with Amisulpride and preventive measures undertaken

Pregnancy and lactation Pregnancy

In animals, amisulpride did not show reproductive toxicity. A decrease in fertility linked to the pharmacological effects of the drug (prolactin mediated effect) was observed. No teratogenic effects of amisulpride were noted. Very limited clinical data on exposed pregnancies are available therefore the safety of amisulpride during human pregnancy has not been established. Use of the drug is not recommended during pregnancy unless the benefits justify the potential risks. If amisulpride is used

during pregnancy, neonates may show adverse effects of amisulpride and thus appropriate monitoring should be considered. For women of childbearing potential, effective contraception should

be fully discussed with the physician prior to treatment. Neonates exposed to antipsychotics (including amisulpride) during the third trimester of pregnancy are at risk of adverse reactions including extrapyramidal and/or withdrawal symptoms that may vary in severity and duration following delivery.

There have been reports of agitation, hypertonia, hypotonia tremor somnolence respiratory distress or feeding disorder. Consequently, newborns should be monitored carefully. Lactation

It is not known whether amisulpride is excreted in breast milk,

breast-feeding is therefore contra-indicated

Preclinical safety data



pharmacological effects or are devoid of major toxicological significance under these conditions Compared with the maximum recommended dosages in man, maximum tolerated doses are 2 and 7 times greater in the rat

(200 mg/kg/d) and dog (120 mg/kg/d) respectively in terms of AUC. No carcinogenic risk, relevant to man, was identified in the rat at up to 1.5 to 4.5 times the expected human AUC. A mouse carcinogenicity study (120 mg/kg/d) and reproductive

studies (160, 300 and 500 mg/kg/d respectively in rat, rabbit and mouse) were performed. The exposure of the animals to amisulpride during these latter studies was not evaluated. ADVERSE REACTION

Adverse effects have been ranked under headings of frequency using the following convention: very common (≥1/10); common (≥1/100; <1/10); uncommon (≥1/1,000; <1/100); rare (>1/10,000; <1/1,000); very rare (<1/10,000); frequency not known (cannot be estimated from the available data).

Nervous system disorders : Very common: Extrapyramidal symptoms may occur: tremor,

rigidity, hypokinesia, hypersalivation, akathisia, dyskinesia. These symptoms are generally mild at optimal dosages and partially reversible without discontinuation of amisulpride upon administration of antinarkinsonian medication

The incidence of extrapyramidal symptoms which is dose related, remains very low in the treatment of patients with predominantly negative symptoms with doses of 50-300 mg/day. Common: Acute dystonia (spasm torticollis, oculogyric crisis, trismus) may appear. This is reversible without discontinuation of amisulpride upon treatment with an antiparkinsonian agent. Somnolence

Uncommon: Tardive dyskinesia characterized by rhythmic, involuntary movements primarily of the tongue and/or face have been reported, usually after long term administration. Antiparkinsonian medication is ineffective or may induce

aggravation of the symptoms. Seizures. · Psychiatric disorders :

Common: Insomnia, anxiety, agitation, orgasmic dysfunction Gastrointestinal disorders :

Common: Constipation, nausea, vomiting, dry mouth Endocrine disorders :

Common: Amisulpride causes an increase in plasma prolactin levels which is reversible after drug discontinuation.

This may result in galactorrhoea, amenorrhoea, gynaecomastia, breast pain, and erectile dysfunction.

Metabolism and nutrition disorders :

Uncommon: Hyperglycemia <u>Cardiovascular disorders</u>

Common: Hypotension

Uncommon: Bradycardia

Investigations :

Common: Weight gain Uncommon: Elevations of hepatic enzymes, mainly

transaminases Immune system disorders :

I Incommon: Allergic reaction

Post-Marketing data

In addition, cases of the following adverse reactions have been reported through spontaneous reporting only: Nervous system disorders :

Frequency not known: Neuroleptic Malignant Syndrome

Cardiac disorders : Frequency not known: QT interval prolongation and ventricular arrhythmias such as torsade de pointes, ventricular tachycardia, which may result in ventricular fibrillation or cardiac arrest

sudden death

· Vascular disorders : Frequency not known: Cases of venous thrombo- embolism including cases of pulmonary embolism and cases of deep vein thrombosis have been reported with antipsychotic drugs

Skin and subcutaneous tissue disorders :

Frequency not known: Angioedema, urticaria Pregnancy, puerperium and perinatal conditions :

Frequency not known: Drug withdrawal syndrome neonatal DRUG INTERACTIONS :

COMBINATIONS WHICH ARE CONTRAINDICATED

Levodopa: reciprocal antagonism of effects between levodopa and neuroleptics.

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Amisulpride may enhance the central effects of alcohol COMBINATIONS TO BE TAKEN INTO ACCOUNT

CNS depressants including narcotics, anaesthetics, • analgesics, sedative H1 antihistamines, barbiturates, benzodiazepines and other anxiolytic drugs, clonidine and

derivatives Antihypertensive drugs and other hypotensive medications

Caution is advised when prescribing amisulpride with • medicines known to prolong the QT interval, e.g., class IA antiarrhythmics (e.g., quinidine, disopyramide) and class III antiarrhythmics (e.g., amiodarone, sotalol), some antihrhythmics, some other antipsychotics and some antimalarials (e.g., mefloquine)

Drugs causing electrolyte imbalance POSE AND ROUTE OF ADMINISTRATION

For acute psychotic episodes, oral doses between 400 mg/d and 800 mg/d are recommended. In individual cases, the daily dose may be increased up to 1200 mg/d. Doses above 1200 mg/d have not been extensively evaluated for safety and therefore should not be used. No specific titration is required when initiating the treatment with amisulpride. Doses should be adjusted according to individual response. Doses should preferably be administer before meal.

For patients with mixed positive and negative symptoms, doses should be adjusted to obtain optimal control of positive symptoms.

Maintenance treatment should be established individually with the minimally effective dose.

For patients characterised by predominant negative symptoms, oral doses between 50 mg/d and 300 mg/d are recommended. Doses should be adjusted individually.

Amisulpride can be administered once daily at oral doses up to 300 mg, higher doses should be administered bid.

The minimum effective dose should be used. Elderly:

Amisulpride should be used with particular caution because of a possible risk of hypotension or sedation Children

Amisulpride is contra-indicated in children up to puberty as its safety has not yet been established.

Renal insufficiency: Amisulpride is eliminated by the renal route. In renal insufficiency, the dose should be reduced to half in patients with creatinine clearance (CR_{CI}) between 30-60 ml/min and to a third in patients with CR_{CL} between 10-30 ml/min. As there is no experience in patients with severe renal impairment (CRci < 10 ml /min) particular care is recommended in these patients

Hepatic insufficiency: Since the drug is weakly metabolised, a dosage reduction should not be necessar

OVERDOSE AND TOXICITY:

Experience with amisulpride in overdosage is limited. Exaggeration of the known pharmacological effects of the drug have been reported. These include drowsiness and sedation, coma hypotension and extrapyramidal symptoms

In cases of acute overdose, the possibility of multiple drug intake should be considered. Since amisulpride is weakly dialysed, haemodialysis should not be used to eliminate the drug. There is no specific antidote to amisulpride. Appropriate supportive measure should therefore be instituted : close supervision of vital functions and, because of the risk of prolongation of QT interval continuous cardiac monitoring until the natient recovers If severe extrapyramidal symptoms occur, anticho- linergic agents should be administered

EXPIRY DATE : Do not use after the date of expiry

STORAGE :

Store below 30°C.

Keep out of reach of children PRESENTATION :

Amazeo 50.100, 200, 300 and 400 are available in blister strips of 10 tablets

B torrent Manufactured by

TORRENT PHARMACEUTICALS LTD. Baddi-173 205, Dist : Solan (H.P.), INDIA



accounting for approximately 4% of the dose, have been identified The elimination half-life of amisulpride is approximately 12 hours after an oral dose. Fifty percent of an intravenous dose is excreted via the urine, the majority as unchanged drug. Ninety percent of the intravenous dose is eliminated in the first 24 hours. Renal clearance is in the order of 20 L/h or 330 ml/min.

Following a single intravenous dose, about 20% of the dose was recovered from the faeces, about 70% of which was as unchanged amisulpride. Hepatic metabolism has a limited role in healthy patients.