

To be sold by retail on the prescription of a Rheumatologist or Specialist in Internal Medicine only
PRESCRIBING INFORMATION



WARNING: SERIOUS INFECTIONS, MORTALITY, MALIGNANCY, MAJOR ADVERSE CARDIOVASCULAR EVENTS (MACE) AND THROMBOSIS
Increased risk of serious bacterial, fungal, viral, and opportunistic infections leading to hospitalization or death, including tuberculosis (TB). Interrupt treatment with Tofacitinib Oral Solution if serious infection occurs until the infection is controlled. Test for latent TB before and during therapy. Treat latent TB prior to use. Monitor all patients for active TB during treatment, even patients with initial negative latent TB test.
• Higher rate of all-cause mortality, including sudden cardiovascular death with Tofacitinib vs. TNF blockers in rheumatoid arthritis (RA) patients.
• Malignancies have occurred in patients treated with Tofacitinib. Higher rate of lymphomas and lung cancers with Tofacitinib vs. TNF blockers in RA patients. Higher rate of MACE (defined as cardiovascular death, myocardial infarction, and stroke) with Tofacitinib vs. TNF blockers in RA patients.
• Thrombosis has occurred in patients treated with Tofacitinib, increased incidence of pulmonary embolism, venous and arterial thrombosis with Tofacitinib vs. TNF blockers in RA patients.

1. GENERIC NAME

Tofacitinib Oral Solution 1 mg/ml
Tofadol[®] Oral Solution

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Tofacitinib Oral solution 1 mg/ml
Each 1 mL oral solution contains:
• 1 mg of Tofacitinib (Equivalent to 1.62 mg of Tofacitinib citrate)

3. DOSAGE FORM AND STRENGTH

DOSAGE FORM: Oral Solution
STRENGTH: 1 mg/ml

4. CLINICAL PARTICULARS

4.1. Indication

It is indicated for the treatment of active polyarthritis course juvenile idiopathic arthritis (pJIA) in patients 2 years of age and older.
Limitations of Use: Use of Tofacitinib Oral Solution in combination with biologic DMARDs or potent immunosuppressants such as azathioprine and cyclosporine is not recommended.

4.2. Posology and Method of Administration

Tofacitinib may be used as monotherapy or in combination with methotrexate (MTX).
The recommended dose in patients 2 years of age and older is based upon the following weight categories:
Table 1: Tofacitinib dose for patients with polyarthritis juvenile idiopathic arthritis in two years of age and older

Body weight (kg)	Dose regimen
10 - < 20	3.2 mg (3.2 mL of oral solution) twice daily
20 - < 40	4 mg (4 mL of oral solution) twice daily
≥ 40	5 mg (5 mL of oral solution or 5 mg film-coated tablet) twice daily

Patients ≥ 40 kg treated with tofacitinib 5 mL oral solution twice daily may be switched to tofacitinib 5 mg film-coated tablets twice daily. Patients < 40 kg cannot be switched from tofacitinib oral solution.

Table 2: Recommended Dosage of Tofacitinib Oral Solution in Patients with pJIA

Patients receiving	Dose
• strong CYP3A4 inhibitors (e.g., ketoconazole), or • moderate CYP3A4 inhibitor(s) with a strong CYP2C19 inhibitor(s) (e.g., fluconazole)	If taking 3.2 mg twice daily, reduce to 3.2 mg once daily. If taking 4 mg twice daily, reduce to 4 mg once daily. If taking 5 mg twice daily, reduce to 5 mg once daily.
Patients with: • moderate or severe renal impairment • moderate hepatic impairment	If taking 3.2 mg twice daily, reduce to 3.2 mg once daily. If taking 4 mg twice daily, reduce to 4 mg once daily. If taking 5 mg twice daily, reduce to 5 mg once daily. For patients undergoing hemodialysis, doses should be administered after the dialysis session on dialysis days. If a dose was taken before the dialysis procedure, supplemental doses are not recommended in patients after dialysis. Discontinue dosing.

Patients with lymphocyte count less than 500 cells/mm³, confirmed by repeat testing

Patients with ANC 500 to 1000 cells/mm³

Patients with ANC less than 500 cells/mm³

Patients with hemoglobin less than 8 g/dL or a decrease of more than 2 g/dL

• Tofacitinib Oral Solution is not recommended for patients with severe hepatic impairment.
Dose interruption and discontinuation Available data suggest that clinical improvement is observed within 18 weeks of initiation of treatment with tofacitinib. Continued therapy should be carefully reconsidered in a patient exhibiting no improvement within this timeframe.

Tofacitinib treatment should be interrupted if a patient develops a serious infection until the infection is controlled.
Interruption of dosing may be needed for management of dose-related laboratory abnormalities including lymphopenia, neutropenia, and anaemia. As described in Tables 3, 4 and 5 below, recommendations for temporary dose interruption or permanent discontinuation of treatment are made according to the severity of laboratory abnormalities. It is recommended not to initiate dosing in paediatric patients with an absolute lymphocyte count (ALC) less than 750 cells/mm³.

Table 3: Low absolute lymphocyte count

Laboratory value (cells/mm ³)	Recommendation
ALC greater than or equal to 750	Dose should be maintained.
ALC 500-750	• For persistent (2 sequential values in this range on routine testing) decrease in this range, dosing should be reduced or interrupted until ALC is greater than 750. • For patients receiving tofacitinib 5 mg twice daily, dosing should be interrupted. • When ALC is greater than 750, treatment should be resumed as clinically appropriate.
ALC less than 500	If laboratory value confirmed by repeat testing within 7 days, dosing should be discontinued.

It is recommended not to initiate dosing in paediatric patients with an absolute neutrophil count (ANC) less than 1,200 cells/mm³.

Table 4: Low absolute neutrophil count

Laboratory value (cells/mm ³)	Recommendation
ANC greater than 1,000	Dose should be maintained.
ANC 500-1,000	• For persistent (2 sequential values in this range on routine testing) decreases in this range, dosing should be reduced or interrupted until ANC is greater than 1,000. • For patients receiving tofacitinib 5 mg twice daily, dosing should be interrupted. • When ANC is greater than 1,000, treatment should be resumed as clinically appropriate.
ANC less than 500	If laboratory value confirmed by repeat testing within 7 days, dosing should be discontinued.

It is recommended not to initiate dosing in paediatric patients with haemoglobin less than 10 g/dL.

Table 5: Low haemoglobin value

Laboratory value (g/dL)	Recommendation
Less than or equal to 2 g/dL, decrease and greater than or equal to 5.0 g/dL.	Dose should be maintained.
Greater than 2 g/dL, decrease or less than 8.0 g/dL, (confirmed by repeat testing)	Dosing should be interrupted until haemoglobin values have normalised.

4.3. Contraindications

Hypersensitivity to the active substance or to any of the excipients.
• Active tuberculosis (TB), serious infections such as sepsis, or opportunistic infections.
• Severe hepatic impairment.
• Pregnancy and lactation.

4.4. Special Warnings and Precautions for Use

Combination with other therapies
Tofacitinib has not been studied and its use should be avoided in combination with biologics such as TNF antagonists, interleukin (IL)-1R antagonists, IL-6R antagonists, anti-CD20 monoclonal antibodies, IL-17 antagonists, IL-12/23 antagonists, anti-integrins, selective co-stimulation modulators and potent immunosuppressants such as azathioprine, 6-mercaptopurine, cyclosporine and tacrolimus because of the possibility of increased immunosuppression and increased risk of infection. There was a higher incidence of adverse events for the combination of tofacitinib with Methotrexate (MTX) versus Tofacitinib as monotherapy in RA clinical studies. The use of Tofacitinib in combination with phosphodiesterase 4 inhibitors has not been studied in Tofacitinib clinical studies.

Venous thromboembolism (VTE)

Serious VTE events including pulmonary embolism (PE), some of which were fatal, and deep vein thrombosis (DVT), have been observed in patients taking Tofacitinib. A dose dependent increased risk for VTE was observed in a clinical study with Tofacitinib compared to TNF inhibitors.
Tofacitinib should be used with caution in patients with known risk factors for VTE, regardless of indication and dosage.

VTE risk includes previous VTE, patients undergoing major surgery, immobilisation, myocardial infarction (within previous 3 months), heart failure, use of combined hormonal contraceptives or hormone replacement therapy, inherited coagulation disorder, malignancy, Additional VTE risk factors such as age, obesity (BMI ≥30), diabetes, hypertension, smoking status should also be considered. Patients should be re-evaluated periodically during Tofacitinib treatment to assess for changes in VTE risk. Promptly evaluate patients with signs and symptoms of VTE and discontinue Tofacitinib in patients with suspected VTE, regardless of dose or indication.

Retinal venous thrombosis

Retinal venous thrombosis (RVT) has been reported in patients treated with Tofacitinib. The patients should be advised to promptly seek medical care in case they experience symptoms suggestive of RVT.

Serious infections

Serious and sometimes fatal infections due to bacterial, mycobacterial, invasive fungal, viral, or other opportunistic pathogens have been reported in patients receiving tofacitinib. The risk of opportunistic infections is higher in Asian geographic regions. Rheumatoid arthritis patients taking corticosteroids may be predisposed to infection. Tofacitinib should not be initiated in patients with active infections, including localized infections.

The risks and benefits of treatment should be considered prior to initiating tofacitinib in patients:
• with recurrent infections,
• with a history of a serious or an opportunistic infection,
• who have resided or travelled in areas of endemic TB,
• who have underlying conditions that may predispose them to infection,
• who are over 65 years of age.

Patients should be closely monitored for the development of signs and symptoms of infection during and after treatment with Tofacitinib. Treatment should be interrupted if a patient develops a serious infection, an opportunistic infection, or sepsis. A patient who develops a new infection during treatment with Tofacitinib should undergo prompt and complete diagnostic testing appropriate for an immunocompromised patient, appropriate antimicrobial therapy should be initiated, and the treatment should be closely monitored. As there is a higher incidence of infections in the elderly and in the diabetic population in general, caution should be used when treating the elderly and patients with diabetes. In patients over 65 years of age Tofacitinib should only be considered if no suitable alternative treatment is available.

Tuberculosis

The risks and benefits of treatment should be considered prior to initiating Tofacitinib in patients:
• who have been exposed to TB
• who have resided or travelled in areas of endemic TB

Patients should be evaluated and tested for latent or active infection prior to and per applicable guidelines during administration of Tofacitinib. Patients with latent TB, who test positive, should be treated with standard antimycobacterial therapy before administering Tofacitinib. Antituberculous therapy should also be considered prior to administration of Tofacitinib in patients who test negative for TB but who have a past history of latent or active TB and where an adequate course of treatment cannot be confirmed, or those who test negative but who have risk factors for TB infection. Consultation with a healthcare professional with expertise in the treatment of TB is recommended to aid in the decision about whether initiating antituberculous therapy is appropriate for an individual patient. Patients should be closely monitored for the development of signs and symptoms of TB, including patients who tested negative for latent TB infection prior to initiating therapy.

Viral reactivation

Viral reactivation and cases of herpes virus reactivation (e.g., herpes zoster) were observed in clinical studies with Tofacitinib. In patients treated with tofacitinib, the incidence of herpes zoster appears to be increased in:
• Japanese or Korean patients,
• Patients with an ALC less than 1,000 cells/mm³,
• Patients with long standing RA who have previously received two or more biological disease modifying antirheumatic drugs (DMARDs),
• Patients treated with 10 mg twice daily

The impact of Tofacitinib on chronic hepatitis reactivation is unknown. Patients screened positive for hepatitis B or C were excluded from clinical trials. Screening for viral hepatitis should be performed in accordance with clinical guidelines before starting therapy with Tofacitinib.

Mortality

Rheumatoid arthritis patients 50 years of age and older with at least one additional cardiovascular risk factor treated with Tofacitinib 5 mg twice a day or Tofacitinib 10 mg twice a day had a higher observed rate of all-cause mortality, including sudden cardiovascular death, compared to those treated with TNF blockers in a large, randomized, post-marketing safety study. Consider the benefits and risks for the individual patient prior to initiating or continuing therapy with Tofacitinib Oral Solution.

Tofacitinib Oral Solution 10 mg twice daily dosage is not recommended for the treatment of RA, PsA, or AS.
Major adverse cardiovascular events (including myocardial infarction)
Major adverse cardiovascular events (MACE) have been observed in patients taking Tofacitinib.
In patients over 65 years of age, patients who are current or past smokers, and patients with other cardiovascular risk factors, Tofacitinib should only be used if no suitable treatment alternatives are available.

Thrombosis

Thrombosis, including pulmonary embolism (PE), deep venous thrombosis (DVT), and arterial thrombosis, have occurred with Tofacitinib and other Janus kinase (JAK) inhibitors used to treat inflammatory conditions. Many of these events were serious and some resulted in death. Promptly evaluate patients with symptoms of thrombosis and discontinue Tofacitinib Oral Solution in patients with symptoms of thrombosis.

Avoid Tofacitinib Oral Solution in patients that may be at increased risk of thrombosis. For the treatment of UC, use Tofacitinib Oral Solution at the lowest effective dose and for the shortest duration needed to achieve/ maintain therapeutic response.

Malignancy and lymphoproliferative disorder

Tofacitinib may affect host defences against malignancy.
In patients with RA who were 50 years of age or older with at least one additional cardiovascular risk factor, an increased incidence of malignancies excluding NSMC, particularly lung cancer and lymphoma, was observed with Tofacitinib compared to TNF inhibitors.
Lung cancers and lymphomas in patients treated with Tofacitinib have also been observed in other clinical studies and in the post-marketing setting.
The risks and benefits of Tofacitinib treatment should be considered prior to initiating therapy particularly in patients with a known malignancy (other than a successfully treated non-melanoma skin cancer), patients who develop a malignancy while on treatment and patients who are current or past smokers. (USP)
Other malignancies were observed in clinical studies and the post-marketing setting, including, but not limited to, lung cancer, breast cancer, melanoma, prostate cancer, and pancreatic cancer.

Non-melanoma skin cancer

NSMCs have been reported in patients treated with Tofacitinib. The risk of NSMC may be higher in patients treated with Tofacitinib 10 mg twice daily than in patients treated with 5 mg twice daily. Periodic skin examination is recommended for patients who are at increased risk for skin cancer.

Intestinal lung disease

Caution is also recommended in patients with a history of chronic lung disease as they may be more prone to infections. Events of interstitial lung disease (some of which had a fatal outcome) have been reported in patients treated with Tofacitinib in RA clinical trials and in the post-marketing setting although the role of Janus kinase (JAK) inhibition in these events is not known. Asian RA patients are known to be at higher risk of interstitial lung disease, thus caution should be exercised in treating these patients.

Gastrointestinal perforations

Events of gastrointestinal perforation have been reported in clinical trials although the role of JAK inhibition in these events is not known. Tofacitinib should be used with caution in patients who may be at increased risk for gastrointestinal perforation (e.g., patients with a history of diverticulitis, patients with concomitant use of corticosteroids and/or nonsteroidal anti-inflammatory drugs). Patients presenting with new onset abdominal signs and symptoms should be evaluated promptly for early identification of gastrointestinal perforation.

Liver enzymes

Treatment with Tofacitinib was associated with an increased incidence of liver enzyme elevation in some patients. Caution should be exercised when considering initiation of Tofacitinib treatment in patients with elevated alanine aminotransferase (ALT) or aspartate aminotransferase (AST), particularly when initiated in combination with potentially hepatotoxic medicinal products such as MTX. Following initiation, routine monitoring of liver tests and prompt investigation of the causes of any observed liver enzyme elevations are recommended to identify potential causes of drug-induced liver injury. If drug-induced liver injury is suspected, the administration of Tofacitinib should be interrupted until this diagnosis has been excluded.

Hypersensitivity

In post-marketing experience, cases of drug hypersensitivity associated with Tofacitinib administration have been reported. Allergic reactions included angioedema and urticaria; serious reactions have occurred. If any serious allergic or anaphylactic reaction occurs, Tofacitinib should be discontinued immediately.

Laboratory parameters

Lymphocytes

Treatment with Tofacitinib was associated with an increased incidence of lymphopenia compared to placebo. Lymphocyte counts less than 750 cells/mm³ were associated with an increased incidence of serious infections. It is not recommended to initiate or continue Tofacitinib treatment in patients with a confirmed lymphocyte count less than 750 cells/mm³. Lymphocytes should be monitored at baseline and every 3 months thereafter. For recommended modifications based on lymphocyte counts.

Neutrophils

Treatment with Tofacitinib was associated with an increased incidence of neutropenia (less than 2,000 cells/mm³) compared to placebo. It is not recommended to initiate Tofacitinib treatment in patients with an ANC less than 1,000 cells/mm³. ANC should be monitored at baseline and after 4 to 8 weeks of treatment and every 3 months thereafter.

Haemoglobin

Treatment with Tofacitinib has been associated with decreases in haemoglobin levels. It is not recommended to initiate Tofacitinib treatment in patients with a haemoglobin value less than 9 g/dL. Haemoglobin should be monitored at baseline and after 4 to 8 weeks of treatment and every 3 months thereafter.

Liver Enzyme Elevations

Treatment with Tofacitinib was associated with an increased incidence of liver enzyme elevation compared to placebo. Most of these abnormalities occurred in studies with background DMARD (primarily methotrexate) therapy. Routine monitoring of liver tests and prompt investigation of the causes of liver enzyme elevations is recommended to identify potential causes of drug-induced liver injury. If drug-induced liver injury is suspected, the administration of Tofacitinib Oral Solution should be interrupted until this diagnosis has been excluded.

Lipid monitoring

Treatment with Tofacitinib was associated with increases in lipid parameters such as total cholesterol, low-density lipoprotein (LDL) cholesterol, and high-density lipoprotein (HDL) cholesterol. Maximum effects were generally observed within 6 weeks. Assessment of lipid parameters should be performed after 8 weeks following initiation of tofacitinib therapy. Patients should be managed according to clinical guidelines for the management of hyperlipidaemia. Increases in total and LDL cholesterol associated with tofacitinib may be decreased to pretreatment levels with statin therapy.

Vaccinations

Prior to initiating Tofacitinib, it is recommended that all patients be brought up to date with all immunisations in agreement with current immunisation guidelines. It is recommended that live vaccines not be given concurrently with Tofacitinib. The decision to use live vaccines prior to Tofacitinib treatment should take into account the pre-existing immunosuppression in a given patient.
Prophylactic zoster vaccination should be considered in accordance with vaccination guidelines. Particular consideration should be given to patients with longstanding RA who have previously received two or more biological DMARDs. If live zoster vaccine is administered; it should only be administered to patients with a known history of chickenpox or those that are seropositive for varicella zoster virus (VZV). If the history of chickenpox is considered doubtful or unreliable it is recommended to test for antibodies against VZV. Vaccination with live vaccines should occur at least 2 weeks but preferably 4 weeks prior to initiation of Tofacitinib or in accordance with current vaccination guidelines regarding immunomodulatory medicinal products. No data are available on the secondary transmission of infection by live vaccines to patients receiving Tofacitinib.

4.5. Drug Interactions

Table 6 includes drugs with clinically important drug interactions when administered concomitantly with Tofacitinib Oral solution and instructions for preventing or managing them.

Table 6: Clinical Relevant Interactions Affecting Tofacitinib When Coadministered with Other Drugs

Strong CYP3A4 Inhibitors (e.g., ketoconazole)	Recommendation
Clinical Impact	Increased exposure to Tofacitinib
Intervention	Dosage adjustment of Tofacitinib Oral solution is recommended

Moderate CYP3A4 Inhibitors Coadministered with Strong CYP2C19 Inhibitors (e.g., fluconazole)	Recommendation
Clinical Impact	Increased exposure to Tofacitinib
Intervention	Dosage adjustment of Tofacitinib Oral solution is recommended

Strong CYP2A4 Inducers (e.g., rifampin)	Recommendation
Clinical Impact	Decreased exposure to Tofacitinib and may result in loss of or reduced clinical response
Intervention	Coadministration with Tofacitinib Oral solution is not recommended

Immunosuppressive Drugs (e.g., azathioprine, tacrolimus, cyclosporine)	Recommendation
Clinical Impact	Risk of added immunosuppression; coadministration with biologic DMARDs or potent immunosuppressants has not been studied in patients with rheumatoid arthritis, psoriatic arthritis and ulcerative colitis

Intervention	Recommendation
Coadministration with Tofacitinib Oral solution is not recommended	

4.6. Use in Special Populations (such as pregnant women, lactating women, paediatric patients, geriatric patients etc.)

Pregnancy

There are no adequate and well-controlled studies on the use of Tofacitinib in pregnant women. Tofacitinib has been shown to be teratogenic in rats and rabbits, and to affect parturition and perinatal/ postnatal development.
As a precautionary measure, the use of Tofacitinib during pregnancy is contraindicated.

Women of childbearing potential/contraception in females

Women of childbearing potential should be advised to use effective contraception during treatment with Tofacitinib and for at least 4 weeks after the last dose.

Breast-feeding

It is not known whether Tofacitinib is secreted in human milk. A risk to the breast-fed child cannot be excluded. Tofacitinib was secreted in the milk of lactating rats. As a precautionary measure, the use of Tofacitinib during breast-feeding is contraindicated.

Fertility

Formal studies of the potential effect on human fertility have not been conducted. Tofacitinib impaired female fertility but not male fertility in rats.

Pediatric Use

The safety and effectiveness of Tofacitinib Oral solution in pediatric patients have not been established.

Geriatric Use

As there is a higher incidence of infections in the elderly population in general, caution should be used when treating the elderly.

Use in Diabetics

As there is a higher incidence of infection in diabetic population in general, caution should be used when treating patients with diabetes.

Renal Impairment

Moderate and Severe Impairment

Tofacitinib-treated patients with moderate or severe renal impairment had greater Tofacitinib blood concentrations than Tofacitinib-treated patients with normal renal function. Therefore, dosage adjustment of Tofacitinib Oral solution is recommended in patients with moderate or severe renal impairment (including but not limited to those with severe insufficiency who are undergoing hemodialysis).

Mild impairment

No dosage adjustment is required in patients with mild renal impairment.

Hepatic Impairment

Severe Impairment

Tofacitinib has not been studied in patients with severe hepatic impairment; therefore, use of Tofacitinib in patients with severe hepatic impairment is not recommended.

Moderate impairment

Tofacitinib-treated patients with moderate hepatic impairment had greater Tofacitinib blood concentration than Tofacitinib-treated patients with normal hepatic function. Higher blood concentrations may increase the risk of some adverse reactions. Therefore, dosage adjustment of Tofacitinib is recommended in patients with moderate hepatic impairment.

Mild impairment

No dosage adjustment of Tofacitinib is required in patients with mild hepatic impairment.

Hepatitis B or C Serology

The safety and efficacy of Tofacitinib have not been studied in patients with positive hepatitis B virus or hepatitis C virus serology.

4.7. Effects on Ability to Drive and Use Machines

Tofacitinib has no or negligible influence on the ability to drive and use machines.

4.8. Undesirable Effects

Tabulated list of adverse reactions

The ADRs listed in the table below are from clinical studies in patients with RA and are presented by System Organ Class (SOC) and frequency categories, defined using the following convention: very common (≥ 1/10), common (≥ 1/100 to < 1/10), uncommon (≥ 1/1,000 to < 1/100), rare (≥ 1/10,000 to < 1/1,000), or not known (cannot be estimated from the available data). Within each frequency grouping, undesirable effects are presented in order of decreasing seriousness.

Table 7: Adverse Drug Reactions

System organ class	Common ≥1/100 to <1/10	Uncommon ≥1/1,000 to <1/100	Rare ≥1/10,000 to <1/1,000	Very rare <1/10,000	Not known (cannot be estimated from the available data)
Infections and infestations	Pneumonia Influenza Herpes zoster Upper tract infection Sinusitis Bronchitis Nasopharyngitis Pharyngitis	Tuberculosis Dermatofungal infections Dysentery Cellulitis Herpes simplex Gastroenteritis viral Viral infection	Sepsis Urosepsis Disseminated TB Necrotizing fasciitis Bacteremia Staphylococcal bacteraemia Pneumocystis jirovecii pneumonia Pneumonia pneumococcal Pneumonia bacterial Encephalitis Atypical mycobacterial infection Cytomegalovirus infection Arthritis bacterial	Tuberculosis of central nervous system Meningitis cryptococcal Mycobacterium avium-complex infection	
Neoplasms benign, malignant and unspecified (incl cysts and polyps)		Lung cancer Non-melanoma skin cancers	Lymphoma		
Blood and lymphatic system disorders	Anaemia	Leukopenia Lymphopenia Neutropenia			
Immune system disorders					Drug hypersensitivity Angioedema Urticaria
Metabolism and nutrition disorders		Dyslipidaemia Hyperlipidaemia Dehydration			
Psychiatric disorders		Insomnia			
Nervous system disorders	Headache	Paraesthesia			
Vascular disorders	Hypertension	Venous thromboembolism			
Cardiac disorders		Myocardial Infarction			
Respiratory, thoracic and mediastinal disorders	Cough	Dyspnoea Sinus congestion			
Gastrointestinal disorders	Abdominal pain Vomiting Diarrhoea Nausea Gastritis Dyspepsia				
Hepatobiliary disorders		Hepatic steatosis Hepatic enzyme increased Transaminases increased Low function test abnormal Gamma glutamyl-transferase increased			
Skin and subcutaneous tissue disorders	Rash Pruritus	Erythema Pruritus			
Musculoskeletal and connective tissue disorders	Arthralgia	Musculoskeletal pain Joint swelling Tendinitis			
General disorders and administration site conditions	Pyrexia Oedema peripheral Fatigue				
Investigations	Blood creatinine phosphokinase increased	Blood creatinine increased Blood cholesterol increased Low density lipoprotein increased Weight increased			
Injury, poisoning and procedural complications		Ligament strain Muscle strain			

Reporting of suspected adverse reactions

Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. To report Suspected Adverse Reactions, contact MSN Laboratories Private Limited at pharmacovigilance@msnlabs.com or through company website www.msnlabs.com>Contact us-Medical Enquiry To report a side effect. You can also report side effects directly via the National Pharmacovigilance Programme of India by calling on 1800 180 204 or you can report to MSN Labs on +91 40-3826527 Ext- 5295. By reporting side effects, you can help provide more information on the safety of this product.

4.9. Overdose

In case of an overdose, it is recommended that the patient be monitored for signs and symptoms of adverse reactions. There is no specific antidote for overdose with Tofacitinib. Treatment should be symptomatic and supportive. Pharmacokinetic data up to and including a single dose of 100 mg in healthy volunteers indicate that more than 95% of the administered dose is excreted in the urine within 24 hours.

5. PHARMACOLOGICAL PROPERTIES