

## Dear Fellow CML Patient:

This chart contains a comprehensive list of all known drugs and food that have the potential to interact with Tyrosine Kinase Inhibitors such as Gleevec®, Sprycel® and Tasigna®. It is always very important to make sure your doctor knows what other drugs you may be taking other than your primary drug to treat your CML. Inadvertently combining TKI's with any of the food or drugs on this list may have some consequences such as preventing you responding to drug therapy and/or experiencing additional side effects. Please bring this chart with you on your next doctor's visit and review the list with your doctor if you have any concerns.



The Chronic Myelogenous Leukemia  
Society of Canada  
La Société de la Leucémie Myéloïde  
chronique du Canada

### 1 POTENTIAL TO PROLONG THE QT INTERVAL

#### Anti-arrhythmic drugs

Amiodarone

Disopyramide

Procainamide

Quinidine

Sotalol

#### Other drugs

Chloroquine

Halofantrine

Clarithromycin

Haloperidol

Methadone

Anthracycline *(at cumulative high-dose)*

### 2 POTENTIAL TO INCREASE PLASMA CONCENTRATIONS\*

#### CYP-3A4 inhibitors ▲

##### Antifungals

Ketoconazole

Itraconazole

Fluconazole

Voriconazole

Terbinafine

##### Antibiotics *(macrolides)*

Erythromycin

Clarithromycin

Troleandomycin

Telithromycin

#### Antibiotics *(Fluoroquinolones)*

ciprofloxacin

norfloxacin

##### Antivirals

Atazanavir

Indinavir,

Nefazodone

Nelfinavir

Ritonavir,

Saquinavir

Delavirdine

##### Antidepressants

Fluvoxamine

Nefazodone

Norfluoxetine)

#### Antineoplastics

Vinblastine

Vincristine

Vinorelbine

Doxorubicin

##### Others

Isoniazid

Diltiazem

Mifepristone

Cimetidine

Ranitidine

Quinidine

Amiodarone

### 3 POTENTIAL TO DECREASE PLASMA CONCENTRATIONS\*

#### CYP-3A4 inducers ▼

##### Glucocorticoids

Dexamethasone

##### Antibiotics

Rifampin

Rifabutin

#### Antivirals

Efavirenz

Nevirapine

Etravirine

##### Anticonvulsants

Carbamazepine

Phenytoin

#### Barbiturates

Phenobarbital

##### Oral Hypoglycemics

Pioglitazone

Troglitazone

#### 4 DRUGS WHOSE PLASMA CONCENTRATIONS MAY BE AFFECTED (INCREASE) ▲

<b>Benzodiazepines</b>	<b>Calcium Channel Blockers</b>	<b>Antineoplastics</b>
Alprazolam	Amlodipine	Taxol
Diazepam	Diltiazem	Vincristine
Midazolam	Felodipine	Irinotecan
Triazolam	Nifedipine	<b>Others</b>
<b>Immunomodulators</b>	Verapamil	Tamoxifen
Cyclosporine	<b>HMG-COA Reductase Inhibitors</b>	Warfarin
Tacrolimus	Atorvastatin	Sildenafil
Sirolimus	Lovastatin	Methadone
<b>Prokinetic</b>	Simvastatin	Clopidogrel
Cisapride	<b>Oral Contraceptives</b>	Dextromethorphan
<b>Antihistamines</b>	<b>Analgesics</b>	Trazodone
Chlorpheniramine	Acetaminophen	Quetiapine
	Codeine	

#### 5 DRUGS WHOSE PLASMA CONCENTRATIONS MAY BE AFFECTED (DECREASE) ▼

Levothyroxine

#### 6 VACCINES <sup>1,2</sup> (for all TKI's)

**Flu vaccine or any other**  
(Interferon-inducer)

**During the immediate period following vaccines administration:**

1. Patient antibody response to a vaccine may be decreased.

2. Immunization of patients on Gleevec should be done with extreme caution and not with live virus vaccine.

#### 7 HERBAL PRODUCTS INTERACTIONS

(Decrease)▼

St. Johns Wort

(Increase)▲

Kava-kava (*Piper methysticum*)

Goldenseal (*Hydrastis canadensis*)

Cat's claw (*Uncaria tomentosa*)

(Increase)▲

Black cohosh (*cimicifuga racemosa*)

Milk Thistle (*Silymarin*)

Valerian root (*Valeriana officinalis*)

#### 8 HERBAL PRODUCTS MAY EITHER ( INCREASE OR DECREASE)▲▼

More studies are needed to determine the exact effects. Do not consume large quantities of these herbals.

Ginkgo (*Gingko biloba*)

Garlic (*Allium sativum* L.)

Saw palmetto (*Serenoa repens*)

Siberian ginseng (*Eleutherococcus senticosus*)

Teas (*dandelion, peppermint, chamomile*)

Green Tea (*camellia sinensis*)

Ginseng (*Panax spp*)

Dong quai (*Angelica sinensis*)

Glucosamine chondroitin

Genistein (*isoflavonoid*)

#### 9 FOOD/BEVERAGE TO AVOID in case of GastroIntestinal (GI) side effects due to all TKI's

Spicy foods

Chocolate

Caffeine

Citrus juice

Dairy products