



## Drugs That Prolong the QT Interval and/or Induce *Torsades de Pointes*

[www.Torsades.org](http://www.Torsades.org)

(Updated October 23, 2001). Please check our website,  
[www.Torsades.org](http://www.Torsades.org) for the most current information.

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Information from the FDA-approved drug labeling and the medical literature.

- **QT:** prolongation is mentioned in the FDA-approved labeling as a known action of the drug.
- **TdP:** the FDA-approved labeling includes mention of cases or a risk of *Torsades de Pointes* (TdP).
- **Cases in Lit:** there are case reports of TdP in the medical literature.
- **F>M (Females>Males):** substantial evidence indicates a greater risk (usually  $\geq$  two-fold) of TdP in women.
- **Off Market:** this drug has been removed from the US market because of drug-induced TdP.

This list is maintained by Raymond L. Woosley, MD, PhD, Vice President for Health Sciences at University of Arizona Health Sciences Center, ([Woosleyr@u.arizona.edu](mailto:Woosleyr@u.arizona.edu)). Suggested additions, deletions and references are most welcome; the list has benefited immensely from the input of practicing physicians and other researchers in the field. This page will be updated as new information becomes available. The content of this Table is for public use, free of charge and for information only. It is not intended to be used in any other manner. The author disclaims any liability, loss, injury, or damage incurred as a consequence, directly or indirectly, or the use and application of any of the contents of this Table. The information presented on this site is intended as general health information and as an educational tool. It is not intended as medical advice. Only a physician, pharmacist, or other health care professional should advise a patient on medical issues and should do so using a medical history and other factors identified and documented as part of the health professional/patient relationship.  
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<b>Drug (Brand Names)</b>	<b>Drug Class (Clinical Usage)</b>	<b>QT</b>	<b>TdP</b>	<b>Comments</b>
Amiodarone (Cordarone®)	Antiarrhythmic (heart rhythm)	QT	TdP	F>M, TdP Cases in Lit
Arsenic trioxide (Trisenox®)	Anticancer (leukemia)	QT	TdP	TdP Cases in Lit
Bepridil (Vasacor®)	Antianginal (heart pain)	QT	TdP	F>M
Chlorpromazine (Thorazine®)	Antipsychot/Antiemetic (schizophrenia/nausea)			TdP Cases in Lit
*Cisapride (Propulsid®)	GI stimulant (stimulates GI motility)	QT	TdP	Open Prescription Restricted F>M
Clarithromycin (Biaxin®)	Antibiotic (bacterial infection)			TdP Cases in Lit
Desipramine (Norpramin®)	Antidepressant (depression, others)	QT		TdP Cases in Lit
Dolasetron (Anzemet®)	Antiemetic	QT		
Disopyramide (Norpace®)	Antiarrhythmic (heart rhythm)	QT	TdP	F>M
Dofetilide (Tikosyn®)	Antiarrhythmic (heart rhythm)	QT	TdP	
Doxepin (Sinequan®, Zonalon®)	Antidepressant (depression, pain, other)			TdP Cases in Lit
Droperidol (Inapsine®)	Sedative/Hypnotic (anesthesia adjunct)	QT	TdP	TdP Cases in Lit
Erythromycin (E.E.S.®, Erythrocin®,+)	Antibiotic/GI stimulant (infection/GI motility)	QT	TdP	F>M
Felbamate (Felbatrol®)	Anticonvulsant (seizures)		TdP	
Flecainide (Tambacor®)	Antiarrhythmic (heart rhythm)	QT	TdP	Association not clear
Fluoxetine (Prozac®, Sarafem®)	Antidepressant (depression)	QT	TdP	Association not clear
Foscarnet (Foscavi®)	Antiviral (HIV infection)	QT		
Fosphenytoin (Cerebyx®)	Anticonvulsant (seizures)	QT		
Gatifloxacin (Tequin®)	Antibiotic (bacterial infection)	QT		
Halofantrine (Halfan®)	Antimalarial (malaria infection)	QT	TdP	F>M
Haloperidol (Haldol®)	Antipsychotic (schizophrenia, agitation)	QT	TdP	
Ibutilide (Corvert®)	Antiarrhythmic (heart rhythm)	QT	TdP	F>M
Imipramine (Tofranil®)	Antidepressant (depression, pain, other)			TdP Cases in Lit
Indapamide (Lozol®)	Diuretic (stimulates urine & salt loss)	QT		TdP Cases in Lit, ↑QT in Animals
Isradipine (Dynacirc®)	Antihypertensive (high blood pressure)	QT		
Levofloxacin (Levaquin®)	Antibiotic (bacterial infection)		TdP	Association not clear
Levomethadyl (Orlaam®)	Opiate agonist (narcotic dependence)	QT		
Mesoridazine (Serentil®)	Antipsychotic (schizophrenia)	QT		
Moexipril/HCTZ (Uniretic®)	Antihypertensive (high blood pressure)	QT		
Moxifloxacin (Avelox®)	Antibiotic (bacterial infection)	QT		
Naratriptan (Amerge®)	Migraine treatment	QT		
Nicardipine (Cardene®)	Antihypertensive (high blood pressure)	QT		
Octreotide (Sandostatin®)	Endocrine (acromegaly/carcinoid diarrhea)	QT		
Paroxetine (Paxil®)	Antidepressant (depression)		TdP	
Pentamidine (Pentam®, NebuPent®,+)	Anti-infective (Pneumocystis pneumonia)	QT	TdP	F>M
Pimozide (Orap®)	Antipsychotic (Tourette's tics)	QT		F>M, TdP Cases in Lit
Probucol (Lorelco®)	Antilipemic (lowers cholesterol)	QT	TdP	F>M
Procainamide (Procan®, Pronestyl®,+)	Antiarrhythmic (heart rhythm)	QT	TdP	
Quetiapine (Seroquel®)	Antipsychotic (schizophrenia)	QT		
Quinidine (Cardioquin®, Quinaglute®,+)	Antiarrhythmic (heart rhythm)	QT	TdP	F>M
Risperidone (Risperdal®)	Antipsychotic (schizophrenia)	QT		
Salmeterol (Serevent®)	Sympathomimetic (asthma, COPD)	QT		
Sertraline (Zoloft®)	Antidepressant (depression)	QT	TdP	Association not clear
Sotalol (Betapace®)	Antiarrhythmic (heart rhythm)	QT	TdP	F>M
Sparfloxacin (Zagam®)	Antibiotic (bacterial infection)	QT	TdP	
Sumatriptan (Imitrex®)	Migraine treatment	QT		
Tacrolimus (Prograf®)	Immune suppressant			TdP Cases in Lit
Tamoxifen (Nolvadex®)	Anticancer (breast cancer)	QT		
Thioridazine (Mellaril®)	Antipsychotic (schizophrenia)	QT	TdP	
Tizanidine (Zanaflex®)	Muscle relaxant	QT		↑QT in animals
Venlafaxine (Effexor®)	Antidepressant (depression)	QT		
Ziprasidone (Geodon®)	Antipsychotic (schizophrenia)	QT		
Zolmitriptan (Zomig®)	Migraine treatment	QT		



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