



Institute for
Safe Medication
Practices

Oral Dosage Forms That Should Not Be Crushed



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Wall charts may be purchased by contacting
Facts and Comparisons (800-223-0554)

<http://www.factsandcomparisons.com/hospitalpharm/>

Drug Product	(active ingredient) ²	Dosage Form	Reasons/Comments ³
Accutane	(isotretinoin)	Capsule	Mucous membrane irritant
Aciphex	(rabeprazole)	Tablet	Slow-release
Actiq	(fentanyl)	Lozenge	Slow-release Note: this lollipop delivery system requires the patient to slowly allow dissolution
Actonel	(risedronate)	Tablet	Irritant Note: chewed, crushed, or sucked tablets may cause oropharyngeal irritation
Adalat CC	(nifedipine)	Tablet	Slow-release
Adderall XR	(amphetamine salts)	Capsule	Slow-release (a)
AeroHist Plus	(combination)	Tablet	Slow-release (h)
Afeditab CR	(nifedipine)	Tablet	Slow-release
Afinitor	(everolimus)	Tablet	Mucous membrane irritant
Aggrenox	(combination)	Capsule	Slow-release
Alavert Allergy Sinus 12 Hour	(combination)	Tablet	Slow-release
Allegra-D	(combination)	Tablet	Slow-release
Allfen Jr	(guaifensin)	Tablet Capsule	Slow-release Slow-release (a)
Alpophen	(bisacodyl)	Tablet	Enteric-coated
Alprazolam ER	(alprazolam)	Tablet	Slow-release
Altoprev	(lovastatin)	Tablet	Slow-release

Ambien CR	(<i>zolpidem</i>)	Tablet	Slow-release
Amibid DM	(<i>combination</i>)	Tablet	Slow-release
Amitiza	(<i>lubiprostone</i>)	Capsule	Slow-release
Amrix	(<i>cyclobenaprine</i>)	Capsule	Slow-release
Apenzin	(<i>bupropion</i>)	Tablet	Slow-release
Apriso	(<i>mesalamine</i>)	Capsule	Slow-release (a) Note: maintain pH at ≤ 6.0
Aptivus	(<i>tipranavir</i>)	Capsule	Note: oil emulsion within spheres; taste
Aquatab C	(<i>combination</i>)	Tablet	Slow-release (h)
Aquatab D	(<i>combination</i>)	Tablet	Slow-release (h)
Arthrotec	(<i>diclofenac</i>)	Tablet	Enteric-coated
Asacol	(<i>mesalamine</i>)	Tablet	Slow-release
Ascriptin A/D	(<i>combination</i>)	Tablet	Enteric coated
Azulfidine EN	(<i>sulfasalazine</i>)	Tablet	Enteric-coated
Augmentin XR	(<i>combination</i>)	Tablet	Slow-release (b,h)
Avinza	(<i>morphine</i>)	Capsule	Slow-release (a; not pudding)
Avodart	(<i>dutasteride</i>)	Capsule	Note: drug may cause fetal abnormalities; women who are, or may become, pregnant, should not handle capsules; all woman should use caution in handling capsules, especially leaking capsules
Bayer EC	(<i>aspirin</i>)	Caplet	Enteric-coated
Bayer Low Adult	(<i>aspirin</i>)	Tablet	Enteric-coated
Bayer Regular	(<i>aspirin</i>)	Caplet	Enteric-coated
Bellahist-D LA	(<i>combination</i>)	Tablet	Slow-release
Biaxin-XL	(<i>clarithromycin</i>)	Tablet	Slow-release
Bidex A	(<i>combination</i>)	Tablet	Slow-release
Bidhist-D	(<i>combination</i>)	Tablet	Slow-release
Biltricide	(<i>praziquantel</i>)	Tablet	Taste (h)
Bisa-Lax	(<i>combination</i>)	Tablet	Enteric-coated (c)

Biohist LA	(<i>combination</i>)	Tablet	Slow-release (h)
Bisac-Evac	(<i>bisacodyl</i>)	Tablet	Enteric-coated (c)
Bisacodyl	(<i>combination</i>)	Tablet	Enteric-coated (c)
Boniva	(<i>ibandronate</i>)	Tablet	Note: chewed, crushed, or sucked tablets may cause oropharyngeal irritation
Bromfed PD	(<i>combination</i>)	Capsule	Slow-release
Budeprion SR	(<i>bupropion</i>)	Tablet	Slow-release
Buproban	(<i>bupropion</i>)	Tablet	Slow-release
Calan SR	(<i>verapamil</i>)	Tablet	Slow-release (h)
Carbatrol	(<i>carbamazine</i>)	Capsule	Slow-release (a)
Cardene SR	(<i>nicardipine</i>)	Capsule	Slow-release
Cardizem	(<i>diltiazem</i>)	Tablet	Note: although not in the PI, the drug has a coating that is intended to release the drug over approximately 3 hours
Cardizem CD	(<i>diltiazem</i>)	Capsule	Slow-release
Cardizem LA	(<i>diltiazem</i>)	Tablet	Slow-release
Cardura XL	(<i>doxazosin</i>)	Tablet	Slow-release
Cartia XT	(<i>diltiazem</i>)	Capsule	Slow-release
Cefaclor ER	(<i>combination</i>)	Tablet	Slow-release
Ceftin	(<i>cefuroxamine</i>)	Tablet	Taste (b) Note: use suspension for children
Cefuroxime	(<i>combination</i>)	Tablet	Taste (b) Note: use suspension for children
CellCept	(<i>mycophenolate</i>)	Capsule, Tablet	Teratogenic potential (i)
Charcoal Plus	—	Tablet	Enteric-coated
Chlor-Trimeton 12-H	(<i>combination</i>)	Tablet	Slow-release (b)
Cipro XR	(<i>ciprofloxacin</i>)	Tablet	Slow-release
Claritin-D 12 Hour	(<i>combination</i>)	Tablet	Slow-release
Claritin-D 24 Hour	(<i>combination</i>)	Tablet	Slow-release
Colace	(<i>docosate</i>)	Capsule	Taste (e)

Colestid	(<i>colestipol</i>)	Tablet	Slow-release
Concerta	(<i>methylphenidate</i>)	Tablet	Slow-release
Commit	(<i>nicotine</i>)	Lozenge	Note: integrity compromised by chewing or crushing
Cotazym-S	(<i>pancrealipase</i>)	Capsule	Enteric-coated (a)
Covera-HS	(<i>verapamil</i>)	Tablet	Slow-release
Creon 5, 10, 20	(<i>pancrealipase</i>)	Capsule	Slow-release (a)
Crixivan	(<i>indinavir</i>)	Capsule	Taste Note: capsule may be opened and mixed with fruit puree (e.g., banana)
Cymbalta	(<i>duloxetine</i>)	Capsule	Slow-release (a); Note: may add contents of capsule to apple juice or applesauce but NOT chocolate
Cytosan	(<i>cyclophosphamide</i>)	Tablet	Note: drug may be crushed but company recommends using injection
Cytovene	(<i>ganciclovir</i>)	Capsule	Skin irritant
Dallergy	(<i>combination</i>)	Tablet	Slow-release (b, h)
Dallergy - JR	(<i>combination</i>)	Capsule	Slow-release
Deconamine SR	(<i>combination</i>)	Capsule	Slow-release (b)
Depakene	(<i>divalproex</i>)	Capsule	Slow-release; mucous membrane irritant b)
Depakote	(<i>divalproex</i>)	Tablet	Slow-release
Depakote ER	(<i>divalproex</i>)	Tablet	Slow-release
Detrol LA	(<i>tolterodine</i>)	Capsule	Slow-release
Dilacor XR	(<i>diltiazem</i>)	Capsule	Slow-release
Dilatrate-SR	(<i>isosorbide</i>)	Capsule	Slow-release
Dilt-CD	(<i>diltiazem</i>)	Capsule	Slow-release
Dilt-XR	(<i>diltiazem</i>)	Capsule	Slow-release
Diltia XT	(<i>diltiazem</i>)	Capsule	Slow-release
Ditropan XL	(<i>oxybutin</i>)	Tablet	Slow-release

Divalproex ER	(<i>combination</i>)	Tablet	Slow-release
Doxidan	(<i>bisacodyl</i>)	Tablet	Enteric-coated (c)
Drisdol	(<i>ergocalciferol</i>)	Capsule	Liquid filled (d)
DriHist SR	(<i>combination</i>)	Tablet	Slow-release (h)
Drixoral Cold/Allergy	(<i>combination</i>)	Tablet	Slow-release
Drixoral Nondrowsy	(<i>combination</i>)	Tablet	Slow-release
Drixoral Allergy Sinus	(<i>combination</i>)	Tablet	Slow-release
Droxia	(<i>hydroxyurea</i>)	Capsule	Note: exposure to the powder may cause serious skin toxicities; healthcare workers should wear gloves to administer
Drysec	(<i>combination</i>)	Tablet	Slow-release (h)
Dulcolax	(<i>bisacodyl</i>)	Tablet Capsule	Enteric-coated (c) Liquid-filled
DuraHist	(<i>combination</i>)	Tablet	Slow-release (h)
DuraHist D	(<i>combination</i>)	Tablet	Slow-release (h)
DynaCirc CR	(<i>isradipine</i>)	Tablet	Slow-release
Duraphen II DM	(<i>combination</i>)	Tablet	Slow-release (h)
Duraphen Forte	(<i>combination</i>)	Tablet	Slow-release (h)
Duratuss A	(<i>combination</i>)	Tablet	Slow-release (h)
Dynex	(<i>combination</i>)	Tablet	Slow-release (h)
Easprin	(<i>aspirin</i>)	Tablet	Enteric-coated
EC-Naprosyn	(<i>combination</i>)	Tablet	Enteric-coated
Ecotrin Adult Low Strength	(<i>aspirin</i>)	Tablet	Enteric-coated
Ecotrin Maximum Strength	(<i>aspirin</i>)	Tablet	Enteric-coated
Ecotrin Regular Strength	(<i>aspirin</i>)	Tablet	Enteric-coated
Ed A-Hist	(<i>combination</i>)	Tablet	Slow-release (b)
E.E.S. 400	(<i>erythromycin</i>)	Tablet	Enteric-coated (b)

Effer-K	(<i>potassium chloride</i>)	Tablet	Effervescent tablet (f)
Effervescent Potassium	—	Tablet	Effervescent tablet (f)
Effexor XR	(<i>velafaxine</i>)	Capsule	Slow-release
Embeda	(<i>morphine sulfate</i>)	Capsule	Slow-release (a)
E-Mycin	(<i>erythromycin</i>)	Tablet	Enteric-coated
Enablex	(<i>darifenacin</i>)	Tablet	Slow-release
Entocort EC	(<i>budesonide</i>)	Capsule	Enteric-coated (a)
Equetro	(<i>carbamazepine</i>)	Capsule	Slow-release (a)
Ergomar	(<i>ergotamine</i>)	Tablet	Sublingual form (g)
Ery-Tab	(<i>erythromycin</i>)	Tablet	Enteric-coated
Erythromycin Stearate	—	Tablet	Enteric-coated
Erythromycin Base	—	Tablet	Enteric-coated
Erythromycin Delayed-Release	—	Capsule	Enteric-coated Pellets (a)
Evista	(<i>raloxifene</i>)	Tablet	Taste; teratogenic potential (i)
Extendryl JR	(<i>combination</i>)	Capsule	Slow-release
Extendryl SR	(<i>combination</i>)	Capsule	Slow-release (b)
Feen-a-mint	(<i>bisacodyl</i>)	Tablet	Enteric-coated (c)
Feldene	(<i>piroxicam</i>)	Capsule	Mucous membrane irritant
Fentora	(<i>fentanyl</i>)	Tablet	Note: buccal tablet; swallow whole
Feosol	(<i>ferrous sulfate</i>)	Tablet	Enteric-coated (b)
Feratab	(<i>ferrous sulfate</i>)	Tablet	Enteric-coated (b)
Fergon	(<i>ferrous gluconate</i>)	Tablet	Enteric-coated
Fero-Grad 500 mg	(<i>combination</i>)	Tablet	Slow-release
Ferro-Sequels	(<i>combination</i>)	Tablet	Slow-release
Flagyl ER	(<i>metronidazole</i>)	Tablet	Slow-release.
Fleet Laxative	(<i>bisacodyl</i>)	Tablet	Enteric-coated (c)

Flomax	(<i>tamsulosin</i>)	Capsule	Slow-release
Focalin XR	(<i>dimethylphenidate</i>)	Capsule	Slow-release (a)
Fosamax	(<i>alendronate</i>)	Tablet	Mucous membrane irritant
Gleevec	(<i>imatinib</i>)	Tablet	Taste (h); Note: may be dissolved in water or apple juice
Glipizide	(<i>glipizide</i>)	Tablet	Slow-release
Glucophage XR	(<i>metformin</i>)	Tablet	Slow-release
Glucotrol XL	(<i>glipizide</i>)	Tablet	Slow-release
Glumetza	(<i>metformin</i>)	Tablet	Slow-release
Guaifed	(<i>combination</i>)	Capsule	Slow-release
Guaifed-PD	(<i>combination</i>)	Capsule	Slow-release
Guaifenesin/ Pseudoephedrine	—	Tablet	Slow-release
Guaifenex DM	(<i>combination</i>)	Tablet	Slow-release (h)
Guaifenex GP	(<i>combination</i>)	Tablet	Slow-release
Guaifenex PSE	(<i>combination</i>)	Tablet	Slow-release (h)
GuaiMAX-D	(<i>combination</i>)	Tablet	Slow-release.
Halfprin 81	(<i>aspirin</i>)	Tablet	Enteric-coated
Hista-Vent DA	(<i>combination</i>)	Tablet	Slow-release (h)
Hydrea	(<i>hydroxyurea</i>)	Capsule	Note: exposure to the powder may cause serious skin toxicities; healthcare workers should wear gloves to administer.
Imdur	(<i>isosorbide</i>)	Tablet	Slow-release (h)
Inderal LA	(<i>propranolol</i>)	Capsule	Slow-release
Indocin SR	(<i>indomethacin</i>)	Capsule	Slow-release (a,b)
Innopran XL	(<i>propranolol</i>)	Capsule	Slow-release
Intelence	(<i>etravirine</i>)	Tablet	Note: tablet should be swallowed whole and not crushed; tablet may be dispersed in water
Intuniv	(<i>guanfacine</i>)	Tablet	Slow-release

Invega	(<i>paliperidone</i>)	Tablet	Slow-release
Isochron	(<i>isosorbide</i>)	Tablet	Slow-release
Isoptin SR	(<i>verapamil</i>)	Tablet	Slow-release (h)
Isordil Sublingual	(<i>isosorbide</i>)	Tablet	Sublingual form (g)
Isosorbide Dinitrate Sublingual	(<i>isosorbide</i>)	Tablet	Sublingual form (g)
Isosorbide SR	(<i>isosorbide</i>)	Tablet	Slow-release
Kadian	(<i>morphine</i>)	Capsule	Slow-release (a) Note: do not give via nasogastric tubes
Kaletra	(<i>combination</i>)	Tablet	Film-coated
Kapidex	(<i>dexlansoprazole</i>)	Capsule	Slow-release (a)
Kaon CL-10	(<i>potassium</i>)	Tablet	Slow-release (b)
Kepra	(<i>levetiracetam</i>)	Tablet	Taste Note: some extemporaneous formulas are Pharmacy prepared
Ketek	(<i>telithromycin</i>)	Tablet	Slow-release (b)
Klor-Con	(<i>potassium</i>)	Tablet	Slow-release (b)
Klor-Con M	(<i>potassium</i>)	Tablet	Slow-release (b, h)
Klotrix	(<i>potassium</i>)	Tablet	Slow-release
K-Dur	(<i>potassium</i>)	Tablet	Slow-release
K-Lyte	(<i>potassium</i>)	Tablet	Effervescent tablet (f)
K-Lyte CL	(<i>potassium</i>)	Tablet	Effervescent tablet (f)
K-Lyte DS	(<i>potassium</i>)	Tablet	Effervescent tablet (f)
K-Tab	(<i>potassium</i>)	Tablet	Slow-release (b)
Lamictal XR	(<i>lamotrigine</i>)	Tablet	Slow-release
Lescol XL	(<i>fluvastatin</i>)	Tablet	Slow-release
Letairis	(<i>ambrisentan</i>)	Tablet	Slow-release
Levbid	(<i>hyoscyamine</i>)	Tablet	Slow-release (h)
Levsinex Timecaps	(<i>hyoscyamine</i>)	Capsule	Slow-release

Lialda	(mesalamine)	Tablet	Slow-release
Liquibid-PD	(combination)	Tablet	Slow-release (h)
Lithobid	(lithium)	Tablet	Slow-release
Lodrane 24	(combination)	Capsule	Slow-release
Lodrane 24D	(combination)	Capsule	Slow-release
LoHist 12 Hour	(brompheniramine)	Tablet	Slow-release
Lovaza	(combination)	Capsule	Note: contents of capsule may erode walls of styrofoam or plastic materials
Luvox CR	(fluvoxamine)	Capsule	Slow-release
Maxifed DM	(combination)	Tablet	Slow-release (h)
Maxifed DMX	(combination)	Tablet	Slow-release (h)
Maxiphen DM	(combination)	Tablet	Slow-release (h)
Medent-DM	(combination)	Tablet	Slow-release
Mestinon ER	(pyridostigmine)	Tablet	Slow-release (b)
Metadate ER	(methylphenidate)	Tablet	Slow-release
Metadate CD	(methylphenidate)	Capsule	Slow-release (a)
Methylin ER	(methylphenidate)	Tablet	Slow-release
Metoprolol ER	—	Tablet	Slow-release
Micro K Extencaps	(potassium chloride)	Capsule	Slow-release (a,b)
Miraphen PSE	(combination)	Tablet	Slow-release
Modane	(combination)	Tablet	Enteric-coated (c)
Moxatag	(amoxicillin)	Tablet	Slow-release
Morphine sulfate extended-release	—	Tablet	Slow-release
Motrin	(ibuprofen)	Tablet	Taste (e)
MS Contin	(morphine)	Tablet	Slow-release (b)
Mucinex	(guaifenesin)	Tablet	Slow-release
Mucinex DM	(combination)	Tablet	Slow-release

Myfortic	(<i>mycophenolate</i>)	Tablet	Slow-release
Naprelan	(<i>naproxen</i>)	Tablet	Slow-release
Nasatab LA	(<i>combination</i>)	Tablet	Slow-release (h)
Nexium	(<i>esomeprazole</i>)	Capsule	Slow-release (a)
Niaspan	(<i>nicotinic acid</i>)	Tablet	Slow-release
Nicotinic Acid	—	Capsule Tablet	Slow-release (h)
Nifediac CC	(<i>nifedipine</i>)	Tablet	Slow-release
Nifedical XL	(<i>nifedipine</i>)	Tablet	Slow-release
Nitrostat	(<i>nitroglycerin</i>)	Tablet	Sublingual route (g)
Norpace CR	(<i>disopyramide</i>)	Capsule	Slow-release form within a special capsule
Oracea	(<i>doxycycline</i>)	Capsule	Slow-release
Oramorph SR	(<i>morphine</i>)	Tablet	Slow-release (b)
OxyContin	(<i>morphine</i>)	Tablet	Slow-release Note: tablet disruption may cause a potentially fatal overdose of oxycodone
Pancrease MT	(<i>pancrealipase</i>)	Capsule	Enteric-coated (a)
Pancrecarb	(<i>pancrealipase</i>)	Capsule	Enteric-coated (a)
Pancrelipase	—	Capsule	Enteric-coated (a)
Panocaps	(<i>pancrealipase</i>)	Capsule	Enteric-coated (a)
Panocaps MT	(<i>pancrealipase</i>)	Capsule	Enteric-coated (a)
Paxil CR	(<i>paroxetine</i>)	Tablet	Slow-release
Pentasa	(<i>mesalamine</i>)	Capsule	Slow-release
PhenaVent D	(<i>combination</i>)	Tablet	Slow-release (h)
PhenaVent LA	(<i>combination</i>)	Capsule	Slow-release
Pre-Hist-D	(<i>combination</i>)	Tablet	Slow-release (h)
Plendil	(<i>felodipide</i>)	Tablet	Slow-release
Prevacid	(<i>lansoprazole</i>)	Capsule	Slow-release

Prevacid SoluTab	(<i>lansoprazole</i>)	Tablet	Note: Orally disintegrating do not swallow; dissolve in water only and dispense via dosing syringe or nasogastric tube
Prevacid Suspension	(<i>lansoprazole</i>)	Suspension	Slow-release Note: contains enteric-coated granules; mix with water only; not for nasogastric use
Prilosec	(<i>omeprazole</i>)	Capsule	Slow-release
Prilosec OTC	(<i>omeprazole</i>)	Tablet	Slow-release
Procardia XL	(<i>nifedipine</i>)	Tablet	Slow-release
Propecia	(<i>finasteride</i>)	Tablet	Note: women who are, or may become, pregnant, should not handle crushed or broken tablets
Proquin XR	(<i>ciprofloxacin</i>)	Tablet	Slow-release
Proscar	(<i>finasteride</i>)	Tablet	Note: women who are, or may become, pregnant, should not handle crushed or broken tablets
Protonix	(<i>pantoprazole</i>)	Tablet	Slow-release
Prozac Weekly	(<i>fluoxetine</i>)	Tablet	Enteric-coated
QDALL	(<i>combination</i>)	Capsule	Slow-release
QDALL AR	(<i>combination</i>)	Capsule	Slow-release
Ralix	(<i>combination</i>)	Tablet	Slow-release (h)
Ranexa	(<i>ranolazine</i>)	Tablet	Slow-release
Razadyne ER	(<i>galantamine</i>)	Capsule	Slow-release
Renagel	(<i>sevelamer</i>)	Tablet	Note: tablets expand in liquid if broken or crushed
Requip XL	(<i>ropinirole</i>)	Tablet	Slow-release
Rescon	(<i>combination</i>)	Tablet	Slow-release (h)
Rescon JR	(<i>combination</i>)	Tablet	Slow-release (h)
Rescon MX	(<i>combination</i>)	Tablet	Slow-release (h)
Respa-1st	(<i>combination</i>)	Tablet	Slow-release (h)
Respa-DM	(<i>combination</i>)	Tablet	Slow-release (h)
Respahist	(<i>combination</i>)	Capsule	Slow-release (a)

Respaire SR	(<i>combination</i>)	Capsule	Slow-release
Revlimid	(<i>lenalidomide</i>)	Capsule	Note: Teratogenic potential; healthcare workers should avoid contact with capsule contents/body fluids
Ritalin LA	(<i>methylphenidate</i>)	Capsule	Slow-release (a)
Ritalin SR	(<i>methylphenidate</i>)	Tablet	Slow-release
R-Tanna	(<i>combination</i>)	Tablet	Slow-release
Rythmol SR	(<i>propafenone</i>)	Capsule	Slow-release
Seroquel XR	(<i>quetiapine</i>)	Tablet	Slow-release
Sinemet CR	(<i>levo/carbidopa</i>)	Tablet	Slow-release (h)
SINUvent PE	(<i>combination</i>)	Tablet	Slow-release (h)
Slo-Niacin	(<i>nicotinic acid</i>)	Tablet	Slow-release (h)
Solodyn	(<i>minocycline</i>)	Tablet	Slow-release
Somnote	(<i>chloral hydrate</i>)	Capsule	Liquid filled
Sprycel	(<i>dasatinib</i>)	Tablet	Film-coated Note: active ingredients are surrounded by a wax matrix to prevent healthcare exposure; women who are, or may become, pregnant, should not handle crushed or broken tablets
Strattera	(<i>atomoxetine</i>)	Capsule	Note: capsule contents can cause ocular irritation
Sudafed 12 hour	(<i>combination</i>)	Capsule	Slow-release (b)
Sudafed 24 hour	(<i>combination</i>)	Capsule	Slow-release (b)
Sular	(<i>nisoldipine</i>)	Tablet	Slow-release
Symax Duotab	(<i>hyoscyamine</i>)	Tablet	Slow-release
Symax SR	(<i>hyoscyamine</i>)	Tablet	Slow-release
Tasigna	(<i>nilotinib</i>)	Capsule	Note: disruption of capsule may yield high blood levels causing enhanced toxicity
Taztia XT	(<i>diltiazem</i>)	Capsule	Slow-release (a)
Tegretol-XR	(<i>carbamazine</i>)	Tablet	Slow-release

Temodar	(<i>temozolomide</i>)	Capsule	Slow-release Note: accidentally opened or damaged capsules require rigorous precautions to avoid inhalation or contact with the skin or mucous membranes (i)
Tessalon Perles	(benzonatate)	Capsule	Note: swallow whole; local anesthesia of the oral mucosa; choking could occur
Theo-24	(theophylline)	Capsule	Slow-release; Note: contains beads that dissolve throughout the GI tract
Theochron	(theophylline)	Tablet	Slow-release
Tiazac	(<i>diltiazem</i>)	Capsule	Slow-release (a)
Topamax	(<i>topiramate</i>)	Tablet Capsule	Taste Taste (a)
Toprol XL	(metoprolol)	Tablet	Slow-release (h)
Touro CC-LD	(<i>combination</i>)	Tablet	Slow-release (h)
Touro LA-LD	(<i>combination</i>)	Tablet	Slow-release (h)
Toviaz	(<i>fesoterodine</i>)	Tablet	Slow-release
Tracleer	(<i>bosentan</i>)	Tablet	Note: women who are, or may become, pregnant, should not handle crushed or broken tablets
Trental	(<i>pentoxifylline</i>)	Tablet	Slow-release
Treximet	(<i>combination</i>)	Tablet	Note: unique drug matrix enhances rapid drug absorption
Tylenol Arthritis	(<i>acetaminophen</i>)	Tablet	Slow-release
Ultram ER	(<i>tramadol</i>)	Tablet	Slow-release Note: tablet disruption may cause a potentially fatal overdose of drug
Ultrase	(pancrealipase)	Capsule	Enteric-coated
Uniphyll	(<i>theophylline</i>)	Tablet	Slow-release
Urocit-K	(<i>potassium citrate</i>)	Tablet	Wax-coated; prevents upper GI release
Uroxatral	(<i>alfuzosin</i>)	Tablet	Slow-release
Valcyte	(<i>valganciclovir</i>)	Tablet	Teratogenic and irritant potential (i, b)
Verapamil SR	—	Tablet	Slow-release (h)

Verelan	(<i>verapamil</i>)	Capsule	Slow-release (a)
Verelan PM	(<i>verapamil</i>)	Capsule	Slow-release (a)
VesiCare	(<i>solifenacin</i>)	Tablet	Enteric coated
Videx EC	(<i>didanosine</i>)	Capsule	Slow-release
Voltaren XR	(<i>diclofenac</i>)	Tablet	Slow-release
VoSpire ER	(<i>albuterol</i>)	Tablet	Slow-release
Wellbutrin SR, XL	(<i>bupropion</i>)	Tablet	Slow-release
Xanax XR	(<i>alprazolam</i>)	Tablet	Slow-release
Zenpep	(<i>pancreallipase</i>)	Capsules	Slow-release (b):
Zolinza	(<i>vorinostat</i>)	Capsule	Note: irritant; avoid contact with skin or mucous membranes; avoid contact with crushed or broken tablets
ZORprin	(<i>aspirin</i>)	Tablet	Slow-release
Zyban	(<i>bupropion</i>)	Tablet	Slow-release
Zyflo CR	(<i>zileuton</i>)	Tablet	Slow-release

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- (a) Capsule may be opened and the contents taken without crushing or chewing; soft food such as applesauce or pudding may facilitate administration; contents may generally be administered via nasogastric tube using an appropriate fluid provided entire contents and washed down the tube.
 - (b) Liquid dosage forms of the product are available; however, dose, frequency of administration and manufacturers may differ from that of the solid dosage form.
 - (c) Antacids and/or milk may prematurely dissolve the coating of the tablet.
 - (d) Capsule may be opened and the liquid contents removed for administration.
 - (e) The taste of this product in a liquid form would likely be unacceptable to the patient; administration via nasogastric tube should be acceptable.
 - (f) Effervescent tablets must be dissolved in the amount of diluent recommended by the manufacturer.
 - (g) Tablets are made to disintegrate under the tongue.
 - (h) Tablet is scored and may be broken in half without affecting release characteristics.
 - (i) Skin contact may enhance tumor production; avoid direct contact.

1. Correspondence regarding this list may be addressed to:

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2. The generic name is provided merely as a reference point and is only listed for single ingredient medications; it should not be assumed that drugs with the same generic are equivalent to the specific brand name listed relative to crushing or chewing. If questions arise, please check with your pharmacist. The author would like to thank **Jackie Biery, Pharm.D., Medication Safety Pharmacist, University of Washington Medical Center** for her suggestion to add this feature.

3. Two official USP terms are used to designate special-release medication forms: "extended release" and "delayed release". Others such as "sustained release", "controlled release", etc. are commonly used on package labeling. The term "Slow-release" is being used here to signify all such drugs with a special-release mechanism.

Disclaimer: This listing is not meant to represent all products, either by generic or trade name. The author encourages manufacturers, pharmacists, nurses, and other health professionals to notify him of any changes or updates.

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Glossary of Dosage Reasons

Buccal tablet: A tablet that should be placed in the mouth, against the gum and allowed to dissolve. The tablet should not be chewed or swallowed.

Effervescent tablet: The tablet produces a bubbling, sparkling effect.

Enteric-coated: The tablet or capsule has a special coating which prevents release and absorption of their contents until drug reaches the intestines.

Enteric-coated Pellets: The capsule contains small enteric-coated tablets or granules

Film-coated: The tablet is coated with a thin layer.

Irritant: A drug that may cause irritation of the eyes, mouth, skin, and or throat.

Local anesthesia: Numbness caused by a drug.

Mucous membrane irritant: A drug that may cause irritation to the inside of the mouth and throat.

Nasogastric tube: A tube that is passed through the nose and down into the stomach.

Ocular irritant: A drug that may cause irritation of eyes.

Oil emulsion within spheres: Insoluble oil droplets are suspended in water or another solution.

Oral mucosa: The area inside the mouth and throat.

Orally disintegrating: The tablet dissolves in the mouth. The tablet should be placed on the tongue where it will dissolve rapidly and be swallowed with the saliva.

Oropharyngeal irritation: Irritation of the tissues of the mouth and throat.

Oropharyngeal ulceration: The break down of tissues in the mouth and throat.

Radiopharmaceutical: A drug that is a radioactive chemical used for diagnostic or therapeutic purposes.

Skin irritant: A drug that may cause irritation of the skin.

Slow-release: For a tablet or capsule, the drug releases over a period of hours. For a lozenge, the drug slowly dissolves in the mouth.

Sublingual form: The tablet should be placed under the tongue where it will dissolve.

Teratogenic potential: The drug can cause severe birth defects or termination of pregnancy.