

Oral Dosage Forms That Should Not Be Crushed

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Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
AcipHex	RABE prazole	Tablet	Extended-release
Actiq	fenta NYL	Lozenge	Slow-release Note: this lollipop delivery system requires the patient to slowly dissolve in mouth
Actonel	risedronate	Tablet	Irritant Note: chewed, crushed, or sucked tablets may cause oropharyngeal irritation
Adalat CC	NIFE dipine	Tablet	Extended-release
Adderall XR	amphetamine salts	Capsule	Extended-release (a)
AeroHist Plus	combination	Tablet	Slow-release (h)
Afeditab CR	NIFE dipine	Tablet	Extended-release
Afinitor	everolimus	Tablet	Mucous membrane irritant
Aggrenox	combination	Capsule	Extended-release
Alavert Allergy (Sinus 12 Hour)	combination	Tablet	Extended-release
Allegra D	combination	Tablet	Extended-release
ALPRAZ olam ER	ALPRAZ olam	Tablet	Extended-release
Altoprev	lovastatin	Tablet	Extended-release
Ambien CR	zolpidem	Tablet	Extended-release
Amibid DM	combination	Tablet	Extended-release
Ampyra	dalfampridine	Tablet	Extended-release Note: formerly fampridine-SR
Amrix	cyclobenzaprine	Capsule	Extended-release

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Aplenzin	bu PROP ion	Tablet	Extended-release
Apriso	mesalamine	Capsule	Extended-release (a) Note: maintain pH at less than or equal to 6.0
Aptivus	tipranavir	Capsule	Note: oil emulsion within spheres; taste
Aquatab C	combination	Tablet	Slow-release (h)
Aquatab D	combination	Tablet	Slow-release (b)
Aricept 23 mg	donepezil	Tablet	Note: crushing the 23 mg tablet may significantly increase the rate of absorption; the 5 and 10 mg tablet are not affected
Arthrotec	diclofenac	Tablet	Delayed-release; Enteric-coated
Asacol	mesalamine	Tablet	Slow-release
Aspirin enteric coated	aspirin	Tablet, Caplet	Delayed-release; Enteric-coated
Atelvia	risedronate	Tablet	Extended-release; Note: tablet coating is an important part of the delayed release
Azulfidine EN	sulfa SALA zine	Tablet	Delayed-release
Augmentin XR	combination	Tablet	Extended-release (b,h)
AVIN za	morphine	Capsule	Enteric-coated (a; not pudding)
Avodart	dutasteride	Capsule	Note: drug may cause fetal abnormalities; women who are, or may become, pregnant, should not handle capsules; all women should use caution in handling capsules, especially leaking capsules
Bayer Regular	aspirin	Caplet	Enteric-coated
Biaxin XL	clarithromycin	Tablet	Extended-release
Bidex A	combination	Tablet	Extended-release
Bidhist D	combination	Tablet	Extended-release
Biltricide	praziquantel	Tablet	Taste (h)
Biohist LA	combination	Tablet	Extended-release (h)
Bisa-Lax	combination	Tablet	Enteric-coated (c)
Bisac-Evac	bisacodyl	Tablet	Enteric-coated (c)

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Bisacodyl	combination	Tablet	Enteric-coated (c)
Boniva	ibandronate	Tablet	Note: chewed, crushed, or sucked tablets may cause oropharyngeal irritation
Bromfed PD	combination	Capsule	Extended-release (b)
Budeprion SR	combination	Tablet	Extended-release
Calan SR	verapamil	Tablet	Extended-release (h)
Carbatrol	car BAM azepine	Capsule	Extended-release (a)
Cardene SR	ni CARD ipine	Capsule	Extended-release
Cardizem	diltiazem	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	diltiazem	Capsule	Extended-release
Cardizem LA	diltiazem	Tablet	Extended-release
Cardura XL	doxazosin	Tablet	Extended-release
Cartia XT	diltiazem	Capsule	Extended-release
Cefaclor ER	combination	Tablet	Extended-release
Ceftin	cefuroxime	Tablet	Taste (b) Note: use suspension for children
Cefuroxime	combination	Tablet	Taste (b) Note: use suspension for children
CellCept	mycophenolate	Capsule, Tablet	Teratogenic potential (i)
Charcoal Plus	charcoal, activated	Tablet	Enteric-coated
Chlor-Trimeton	combination	Tablet	Extended-release (b)
Cipro XR	ciprofloxacin	Tablet	Extended-release (b)
Claritin-D	combination	Tablet	Extended-release (b)
Claritin D 24 Hour	combination	Tablet	Extended-release
Colace	docusate	Capsule	Taste (e)
Colestid	colestipol	Tablet	Slow-release
Concerta	methylphenidate	Tablet	Extended-release

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Commit	Nicotine	Lozenge	Note: integrity compromised by chewing or crushing
Coreg CR	carvedilol	Capsule	Extended-release (a) Note: may add contents of capsule to chilled, not warm , applesauce and consume immediately
Cotazym S	pancrelipase	Capsule	Enteric-coated (a)
Creon	pancrelipase	Capsule	Extended-release (a)
Crixivan	indinavir	Capsule	Taste Note: capsule may be opened and mixed with fruit puree (e.g., banana)
Cymbalta	DUL oxetine	Capsule	Extended-release (a) Note: may add contents of capsule to apple juice or applesauce but NOT chocolate
Cytosan	cyclophosphamide	Tablet	Note: drug may be crushed but company recommends using injection
Cytovene	ganciclovir	Capsule	Skin irritant
Depakene	divalproex	Capsule	Slow-release; mucous membrane irritant (b)
Depakote	divalproex	Tablet	Delayed-release
Depakote ER	divalproex	Tablet	Extended-release
Depakote Sprinkles	divalproex	Capsule	Extended-release (a)
Detrol LA	tolterodine	Capsule	Extended-release
Dexilant	dexlansoprazole	Capsule	Delayed-release (a)
Diclegis	doxylamine / pyridoxine	Tablet	Delayed-release
Dilacor XR	diltiazem	Capsule	Extended-release
Dilatrate SR	isosorbide	Capsule	Extended-release
Dilt-CD	diltiazem	Capsule	Extended-release
Diltia XT	diltiazem	Capsule	Extended-release
Ditropan XL	oxybutynin	Tablet	Extended-release
Divalproex ER	combination	Tablet	Extended-release
Doxidan	bisacodyl	Tablet	Enteric-coated (c)

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Drisdol	ergocalciferol	Capsule	Liquid filled (d)
Droxia	hydroxyurea	Capsule	Note: exposure to the powder may cause serious skin toxicities; healthcare workers should wear gloves to administer
Dulcolax	bisacodyl	Tablet; Capsule	Enteric-coated (c); Liquid-filled
DynaCirc CR	isradipine	Tablet	Extended-release
EC-Naprosyn	combination	Tablet	Delayed-release; enteric-coated
Ecotrin (all)	aspirin	Tablet	Enteric-coated
E.E.S. 400	erythromycin	Tablet	Enteric-coated (b)
Effer-K	potassium bicarbonate	Tablet	Effervescent tablet (f)
Effervescent Potassium	-----	Tablet	Effervescent tablet (f)
Effexor XR	venlafaxine	Capsule	Extended-release
Embeda	morphine sulfate	Capsule	Extended-release (a); do not give via N/G tube
E-Mycin	erythromycin	Tablet	Enteric-coated
Enablex	darifenacin	Tablet	Slow-release
Entocort EC	budesonide	Capsule	Extended-release; Enteric-coated (a)
Equetro	car BAM azepine	Capsule	Extended-release (a)
Ergomar	ergotamine	Tablet	Sublingual form (g)
Erivedge	vismodegib	Capsule	Note: PI indicates potential teratogenic; MSDS warns against skin contact; healthcare workers should take appropriate cautions
Ery-Tab	erythromycin	Tablet	Delayed-release; Enteric-coated
Erythromycin Stearate	-----	Tablet	Enteric-coated
Erythromycin Base	-----	Tablet	Enteric-coated
Erythromycin Delayed-Release	-----	Capsule	Enteric-coated Pellets (a)
Evista	raloxifene	Tablet	Taste; teratogenic potential (i)
Exalgo	HYDRO morphone	Tablet	Extended-release Note: breaking, chewing, crushing, dissolving before swallowing or injecting could result in overdose

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Exjade	deferasirox	Tablet	Note: do not give as tablet; tablets are meant to be given as a liquid; see company insert.
Extendryl (all)	combination	Capsule	Extended-release (b)
Feen-a-mint	bisacodyl	Tablet	Enteric-coated (c)
Feldene	piroxicam	Capsule	Mucous membrane irritant
FentaNYL	-----	Lozenge	Slow-release Note: this lollipop delivery system requires the patient to slowly dissolve in mouth
Fentora	fentaNYL	Tablet	Note: buccal tablet; swallowing the tablet whole or crushing may reduce effectiveness
Feosol	ferrous sulfate	Tablet	Enteric-coated (b)
Feratab	ferrous sulfate	Tablet	Enteric-coated (b)
Fergon	ferrous gluconate	Tablet	Enteric-coated
Fero-Grad 500 mg	combination	Tablet	Slow-release
Ferro-Sequels	combination	Tablet	Slow-release
Flagyl ER	metronIDAZOLE	Tablet	Extended-release.
Fleet Laxative	bisacodyl	Tablet	Enteric-coated (c)
Flomax	tamsulosin	Capsule	Slow-release
Focalin XR	dexmethylphenidate	Capsule	Extended-release (a)
Fortamet	metFORMIN	Tablet	Extended-release
Fosamax	alendronate	Tablet	Mucous membrane irritant
Gleevec	imatinib	Tablet	Taste (h) Note: may be dissolved in water or apple juice
Glucophage XR	metFORMIN	Tablet	Extended-release
Glucotrol XL	glipiZIDE	Tablet	Extended-release
Glumetza	metFORMIN	Tablet	Extended-release
Gralise	gabapentin	Tablet	Extended-release
Guaifed	combination	Capsule	Extended-release
Guaifed PD	combination	Capsule	Extended-release
GuaiFENesin/Pseudoephedrine	-----	Tablet	Extended-release

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Guaifenex DM	combination	Tablet	Extended-release (h)
Guaifenex GP	combination	Tablet	Extended-release
Guaifenex PSE	combination	Tablet	Extended-release (h)
Guaimax D	combination	Tablet	Extended-release
Halfprin 81	aspirin	Tablet	Enteric-coated
Horizant	gabapentin	Tablet	Extended-release
Hista-Vent DA	combination	Tablet	Extended-release (h)
Hydrea	hydroxyurea	Capsule	Note: exposure to the powder may cause serious skin toxicities; healthcare workers should wear gloves to administer
Imdur	isosorbide	Tablet	Extended-release (h)
Inderal LA	propranolol	Capsule	Extended-release
Indomethacin SR	indomethacin	Capsule	Extended-release (a,b)
InnoPran XL	propranolol	Capsule	Extended-release
Intelence	etravirine	Tablet	Note: tablet should be swallowed whole and not crushed; tablet may be dispersed in water
Intermezzo	zolpidem	Tablet (sublingual)	(g)
Intuniv	guan FACINE	Tablet	Extended-release
Invega	paliperidone	Tablet	Extended-release
Isoptin SR	verapamil	Tablet	Extended-release (h)
Isordil Sublingual	isosorbide	Tablet (sublingual)	(g)
Isosorbide Dinitrate Sublingual	isosorbide	Tablet (sublingual)	(g)
Isosorbide SR	isosorbide	Tablet	Extended-release
ISO tretinoin	ISO tretinoin	Capsule	Mucous membrane irritant
Jakafi	ruxolitinib	Tablet	Note: see PI for making a suspension
Jalyn	dutasteride / tamsulosin	Capsule	Note: women who are, or may become, pregnant, should not handle crushed or broken tablets (I)
Janumet XR	sita GLI ptin / met FORMIN	Tablet	Extended-release

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Kadian	morphine	Capsule	Extended-release (a) Note: may add contents of capsule to applesauce without crushing)
Kaletra	lopinavir/ritoavir	Tablet	Film-coated (b) 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
Kapidex	dexlansoprazole	Capsule	Delayed-release (a)
Kapvay	clonidine	Tablet	Extended-release
Kazano	alogliptin / metformin	Tablet	Note: not scored; no studies available from company
Keppra XR	levetiracetam	Tablet	Extended-release (b)
Ketek	telithromycin	Tablet	Slow-release (b)
Khedezla	desvenlafaxine	Tablet	Extended-release
Klor-Con	potassium	Tablet	Extended-release (b)
Klor-Con M	potassium	Tablet	Extended-release (b,h) Note: to make a liquid, place tablet in 120 mL of water; disperse for 2 minutes; stir
Kombiglyze XR	combination	Tablet	Extended-release Note: tablet matrix may remain in stool
K-Dur	potassium	Tablet	Extended-release Note: to make a liquid, break tablet in half and disperse in 120 mL of water for 2 minutes; stir
K-Lyte	potassium	Tablet	Effervescent tablet (f)
K-Lyte CL	potassium	Tablet	Effervescent tablet (f)
K-Lyte DS	potassium	Tablet	Effervescent tablet (f)
K-Tab	potassium	Tablet	Extended-release (b)
LaMictal XR	lamotrigine	Tablet	Extended-release
Lescol XL	fluvastatin	Tablet	Extended-release
Letairis	ambrisentan	Tablet	Slow-release

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Levbid	hyoscyamine	Tablet	Extended-release (h)
Levsinex	hyoscyamine	Capsule	Extended-release
Lialda	mesalamine	Tablet	Delayed-release
Liquibid	combination	Tablet	Extended-release (h)
Lithobid	lithium	Tablet	Extended-release
Lodrane 24	brompheniramine	Capsule	Extended-release
Lodrane 24D	combination	Capsule	Extended-release
LoHist 12 Hour	brompheniramine	Tablet	Extended-release
Lovaza	combination	Capsule	Note: contents of capsule may erode walls of styrofoam or plastic materials
Luvox CR	fluvoxamine	Capsule	Extended-release
Maxifed DM	combination	Tablet	Slow-release (h)
Maxifed DMX	combination	Tablet	Slow-release (h)
Maxiphen DM	combination	Tablet	Slow-release (h)
Mestinon ER	pyridostigmine	Tablet	Extended-release (b)
Metadate ER	methylphenidate	Tablet	Extended-release
Metadate CD	methylphenidate	Capsule	Extended-release (a)
Methylin ER	methylphenidate	Tablet	Extended-release
Metoprolol ER	-----	Tablet	Extended-release
Micro K Extencaps	potassium chloride	Capsule	Extended-release (a,b)
Mirapex ER	pramipexole	Tablet	Extended-release
Moxatag	amoxicillin	Tablet	Extended-release
Morphine sulfate extended-release	-----	Tablet	Extended-release
Motrin	ibuprofen	Tablet	Taste (e)
MS Contin	morphine	Tablet	Extended-release (b)
Mucinex	guaifenesin	Tablet	Slow-release
Mucinex DM	combination	Tablet	Slow-release
Myfortic	mycophenolate	Tablet	Delayed-release
Myrbetriq	mirabegron	Tablet	Extended-release
Namenda XR	memantine	Capsule	Extended-release (a)

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Naprelan	naproxen	Tablet	Extended-release
NexIUM	esomeprazole	Capsule	Delayed-release (a)
Niaspan	nicotinic acid	Tablet	Extended-release
Nicotinic Acid	-----	Capsule; Tablet	Slow-release (h)
Nifediac CC	NIFED ipine	Tablet	Extended-release
Nifedical XL	NIFED ipine	Tablet	Extended-release
Nitrostat	nitroglycerin	Tablet	Sublingual route (g)
Norflex ER	orphenadrine	Tablet	Extended-release
Norpace CR	disopyramide	Capsule	Extended-release form within a special capsule
Norvir	ritonavir	Tablet	Note: crushing tablets has resulted in decreased bioavailability of drug (b)
Noxafil	posaconazole	Tablet	Delayed-release Note: company literature not available to show implications
Nucynta ER	tapentadone	Tablet	Extended-release Note: toxic dose may occur if tablet is split or crushed, causing rapid release and absorption of a potentially fatal dose
Oleptro	tra ZOD one	Tablet	Extended-release
Oracea	doxycycline	Capsule	Delayed-release
Oramorph SR	morphine	Tablet	Extended-release (b)
Orphenadrine citrate ER	-----	Tablet	Extended-release
Oxy CONTIN	oxy CODONE	Tablet	Extended-release Note: tablet disruption may cause a potentially fatal overdose of oxy CODONE
Oxymorphone ER	-----	Tablet	Extended-release
Pancrease Delayed Release	pancrealipase	Capsule	Extended-release (a)
Pancrease MT	pancrealipase	Capsule	Enteric-coated (a)
Pancrecarb	pancrealipase	Capsule	Enteric-coated (a)
Pancrelipase	-----	Capsule	Enteric-coated (a)

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Paxil CR	PAR oxetine	Tablet	Extended-release
Pentasa	mesalamine	Capsule	Slow-release (a)
Pradaxa	dabigatran	Capsule	Note: bioavailability increases by 75% when the pellets are taken without the capsule shell
Pre-Hist D	combination	Tablet	Extended-release (h)
Plendil	felodipide	Tablet	Extended-release
Prevacid	lansoprazole	Capsule	Delayed-release
Prevacid SoluTab	lansoprazole	Tablet	Note: orally disintegrating do not swallow; dissolve in water only and dispense via dosing syringe or NG tube
Prevacid Suspension	lansoprazole	Suspension	Slow-release Note: contains enteric-coated granules; mix with water only; not for NG use
PriLOSEC	omeprazole	Capsule	Delayed-release (a)
PriLOSEC OTC	omeprazole	Tablet	Delayed-release
Pristiq	desvenlafaxine	Tablet	Extended-release
Procardia XL	NIFED ipine	Tablet	Extended-release
Propecia	finasteride	Tablet	Note: women who are, or may become, pregnant, should not handle crushed or broken tablets
Proquin XR	ciprofloxacin	Tablet	Extended-release
Proscar	finasteride	Tablet	Note: women who are, or may become, pregnant, should not handle crushed or broken tablets
Protonix	pantoprazole	Tablet	Slow-release
PRO zac Weekly	FLU oxetine	Tablet	Enteric-coated
Qdall	combination	Capsule	Extended-release
Qdall AR	combination	Capsule	Extended-release
Ranexa	ranolazine	Tablet	Slow-release

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Rapamune	sirolimus	Tablet	Note: pharmacokinetic NanoCrystal technology may be affected (b)
Rayos	predni SONE	Tablet	Delayed-release Note: release is dependent upon intact coating
Razadyne ER	galantamine	Capsule	Extended-release
Renagel	sevelamer	Tablet	Note: tablets expand in liquid if broken or crushed
Renvela	sevelamer carbonate	Tablet	Note: tablets expand in liquid if broken or crushed (b)
Requip XL	r OPINIR ole	Tablet	Extended-release
Rescon	combination	Tablet	Slow-release (h)
Rescon JR	combination	Tablet	Slow-release (h)
Rescon MX	combination	Tablet	Slow-release (h)
Respahist	combination	Capsule	Extended-release (a)
Respaire SR	combination	Capsule	Extended-release
Revlimid	lenalidomide	Capsule	Note: teratogenic potential; healthcare workers should avoid contact with capsule contents/body fluids
Ritalin La	methylphenidate	Capsule	Extended-release (a)
Ritalin SR	methylphenidate	Tablet	Extended-release
R-Tanna	combination	Tablet	Slow-release
Rythmol SR	propafenone	Capsule	Extended-release
Ryzolt	tra MAD ol	Tablet	Extended-release Note: crushing may cause overdose
Sensipar	cinacalcet	Tablet	Note: tablets are not scored and cutting may cause variable dosage accuracy
SERO quel XR	QU etiapine	Tablet	Extended-release
Sinemet CR	levo/carbidopa	Tablet	Extended-release (h)
Sinuvent PE	combination	Tablet	Extended-release (h)
Slo-Niacin	nicotinic acid	Tablet	Slow-release (h)
Solodyn	minocycline	Tablet	Extended-release

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Somnote	chloral hydrate	Capsule	Liquid filled
Sprycel	dasatinib	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	atomoxetine	Capsule	Note: capsule contents can cause ocular irritation
Sudafed 12 hour	combination	Capsule	Extended-release (b)
Sudafed 24 hour	combination	Capsule	Extended-release (b)
Sular	nisoldipine	Tablet	Extended-release
Symax Duotab	hyoscyamine	Tablet	Controlled-release
Symax SR	hyoscyamine	Tablet	Extended-release
Tasigna	nilotinib	Capsule	Note: disruption of capsule may yield high blood levels causing enhanced toxicity
Taztia XT	diltiazem	Capsule	Extended-release (a)
Tecfidera	dimethyl fumarate	Capsule	Delayed-release
TEGretol-XR	carBAMazepine	Tablet	Extended-release (b)
Temodar	temozolomide	Capsule	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	Extended-release Note: contains beads that dissolve throughout the GI tract
Theochron	theophylline	Tablet	Extended-release
Tiazac	diltiazem	Capsule	Extended-release (a)
Topamax	topiramate	Tablet; Capsule	Taste; Taste (a)

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Toprol XL	metoprolol	Tablet	Extended-release (h)
Touro CC-LD	combination	Tablet	Extended-release (h)
Touro LA-LD	combination	Tablet	Extended-release (h)
Toviaz	fesoterodine	Tablet	Extended-release
Tracleer	bosentan	Tablet	Note: women who are, or may become, pregnant, should not handle crushed or broken tablets
TRE ntal	pentoxifylline	Tablet	Extended-release
Treximet	combination	Tablet	Note: unique drug matrix enhances rapid drug absorption
Trilpix	fenofibric	Capsule	Extended-release
Tylenol Arthritis	acetaminophen	Tablet	Controlled-release
Uceris	budesonide	Tablet	Note: coating on tablet is designed to break down at pH of 7.0 or above
Ultram ER	tra MAD ol	Tablet	Extended-release Note: tablet disruption may cause a potentially fatal overdose of drug
Ultrase	pancrealipase	Capsule	Enteric-coated
Uniphyl	theophylline	Tablet	Slow-release
Urocit-K	potassium citrate	Tablet	Wax-coated; prevents upper GI release
Uroxatral	alfuzosin	Tablet	Extended-release
Valcyte	val GANC iclovir	Tablet	Teratogenic and irritant potential (i,b)
Verapamil SR	-----	Tablet	Extended-release (h)
Verelan	verapamil	Capsule	Sustained-release (a)
Verelan PM	verapamil	Capsule	Extended-release (a)
Videx EC	didanosine	Capsule	Delayed-release
Vimovo	naproxen / esomeprazole	Tablet`	Delayed-release
Viramune XR	nevirapine	Tablet	Extended-release (b)
Voltaren XR	diclofenac	Tablet	Extended-release
VoSpire ER	albuterol	Tablet	Extended-release

Drug Product	Active Ingredient(s) ²	Dosage Form(s)	Reasons/Comments ³
Votrient	pazopanib	Tablet	Note: crushing significantly increases the AUC and Tmax; crushed or broken tablets may cause dangerous skin problems
Wellbutrin SR, XL	buPROPion	Tablet	Extended-release
Xanax XR	ALPRAZ olam	Tablet	Extended-release
Xarelto	rivaroxaban	Tablet	Crushed tablet must be given within 4 hours
Zegerid OTC	omeprazole/ NaHCO ₃	Capsule	Delayed-release (b)
Zenpep	pancrealipase	Capsule	Delayed-release (a)
Zohydro ER	HYDRO codone	Capsule	Extended-release
Zolinza	vorinostat	Capsule	Note: irritant; avoid contact with skin or mucous membranes; avoid contact with crushed or broken tablets
Zortress	everolimus	Tablet	Note: crushed powder may cause dangerous effects to mucus membranes
Zyban	buPROPion	Tablet	Slow-release
Zyflo CR	zileuton	Tablet	Extended-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 are 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 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.
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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.

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.

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.

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