

# Medications Not To Be Crushed

GENERIC	BRAND	DOSAGE FORM	REASON	GENERIC	BRAND	DOSAGE FORM	REASON
Acamprosate	Campral®	Tablet, capsule	1	Carbenicillin	Geocillin®	Tablet	3
Acetaminophen* (extended release)	Tylenol® Arthritis Pain, Tylenol® 8 Hour	Tablet	2	Carbinoxamine and pseudoephedrine* (extended release)	Palgic®-D, Rondec-TR®	Tablet	2
Acetazolamide* (extended release)	Diamox® Sequels®	Capsule	2	Cefuroxime*	Ceftin®	Tablet	3
Albuterol* (extended release)	VoSpire ER®	Tablet	2	Cetirizine and pseudoephedrine	Zyrtec-D 12 Hour™	Tablet	2
Alendronate*	Fosamax®, Fosamax Plus D™	Tablet	4	Chloral hydrate*	Somnote™	Capsule	3, 9
Alfuzosin	UroXtral®	Tablet	2	Chlorpheniramine* (extended release)	QDALL® AR	Capsule	2
Alprazolam*	Niravam™	Tablet	14	Chlorpheniramine* (extended release)	Chlor-Trimeton®	Tablet	2
Alprazolam* (extended release)	Xanax XR®	Tablet	2	Chlorpheniramine and phenylephrine* (extended release)	Dallergy-JR®	Capsule	2
Ammonium chloride* (enteric coated)	(Generic forms available)	Tablet	1	Chlorpheniramine and phenylephrine* (extended release)	Ed A-Hist®, Rescon® JR	Tablet	2
Amoxicillin and clavulanate* (extended release)	Augmentin XR®	Tablet	2	Chlorpheniramine, phenylephrine and methscopolamine* (extended release)	Extendryl® JR	Capsule	2
Aripiprazole* (ODT)	Abilify® Discmelt™	Tablet	14	Chlorpheniramine, phenylephrine and methscopolamine* (extended release)	Dallergy®, Drize®-R, Durahist™ PE, Extendryl SR, Hista-Vent® DA, PCM Allergy, Ralix	Tablet	2
Aspirin and dipyridamole	Aggrenox®	Capsule	2	Chlorpheniramine, phenylephrine and methscopolamine* (extended release)	OMNIhist® II L.A., Rescon® MX	Tablet	2, 8
Aspirin* (controlled release)	ZORprin®	Tablet	2	Chlorpheniramine and pseudoephedrine* (extended release)	Deconamine® SR, Dynahist-ER Pediatric®, Histade™, Kronofed-A®, QDALL®	Capsule	2
Aspirin* (enteric coated)	Bayer® Aspirin Regimen Adult Low Strength, Bayer® Aspirin Regimen Regular Strength, Easprin®, Ecotrin®, Ecotrin® Low Strength, Ecotrin® Maximum Strength, Halfprin®, St. Joseph Adult Aspirin, Sureprin 81™	Tablet	1	Cinacalcet	Sensipar™	Tablet	11
Atomoxetine	Strattera®	Capsule	4, 11, 13	Ciprofloxacin*	Cipro®	Tablet	3
Atropine, hyoscyamine, phenobarbital and scopolamine* (extended release)	Donnatal Extentabs®	Tablet	2	Ciprofloxacin* (extended release)	Cipro® XR, Proquin® XR	Tablet	2
Benzonatate*	Tessalon®	Capsule	4, 9	Clarithromycin* (extended release)	Biaxin XL®	Tablet	2
Bisacodyl* (delayed release)	Doxidan®	Tablet	2, 17	Clopidogrel bisulfate	Plavix®	Tablet	1
Bisacodyl* (enteric coated)	Alophen®, Bisac-Evac™, Correctol®, Dulcolax®, Femilax™, Fleet® Stimulant Laxative, Modane®, Veracolate	Tablet	1, 17	Clorazepate* (sustained release)	Tranxene®-SD, Tranxene®-SD Half Str.	Tablet	2
Brompheniramine* (extended release)	Bidhist, Lodrane® 12 Hour, Lodrane® 24, LoHist-12	Tablet	2, 8	Clotrimazole*	Mycelex® Troche	Troche	14
Brompheniramine and pseudoephedrine* (extended release)	Bromfenex®, Bromfenex® PD, Lodrane® LD, Histex™ SR, Touro™ Allergy	Capsule	2	Clozapine* (ODT)	FazaClo®	Tablet	14
Brompheniramine and pseudoephedrine* (extended release)	Lodrane® 12 D	Tablet	2	Colestipol*	Colestid®	Tablet	2
Budesonide	Entocort® EC	Capsule	1	Cyclophosphamide	Cytoxan®	Tablet	12, 13
Bupropion* (extended release)	Budeprion™ SR, Buproban™, Wellbutrin XL™, Wellbutrin® SR, Zyban®	Tablet	2	Darifenacin	Enablex®	Tablet	27
Carbamazepine* (extended release)	Carbatrol®, Equetro™	Capsule	2, 5	Deferasirox	Exjade®	Tablet	7
Carbamazepine* (extended release)	Tegreto® XR	Tablet	2	Desloratidine* (ODT)	Clarinetx® RediTabs®	Tablet	14
				Desloratidine and pseudoephedrine	Clarinetx-D® 12 Hour, Clarinetx-D® 24 hour	Tablet	2
				Dexbrompheniramine and pseudoephedrine	Drixoral® Cold & Allergy	Tablet	2

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Dexamethylphenidate	Focalin™ XR	Capsule	2, 5	Fluvastatin* (extended release)	Lescol® XL	Tablet	2
Dextroamphetamine* (sustained release)	Dexedrine® Spansule®	Capsule	2	Ganciclovir	Cytovene®	Capsule	4
Dextroamphetamine and amphetamine* (extended release)	Adderall-XR®	Capsule	2, 5	Glipizide* (extended release)	Glipizide ER, Glucotrol® XL	Tablet	2
Diclofenac* (enteric coated)	Voltaren®	Tablet	1	Griseofulvin* ultramicrosize	Gris-Peg®	Tablet	1
Diclofenac* (extended release)	Diclofenac Sodium ER, Voltaren® XR	Tablet	2	Guaifenesin* (extended release)	Humibid® Maximum Strength, Mucinex®	Tablet	2
Diclofenac and misoprostol	Arthrotec®	Tablet	1	Guaifenesin and dextromethorphan* (extended release)	Amibid DM, Guaifenex® DM, Mucinex® DM, Touro® DM, Tussi-Bid®	Tablet	2
Didanosine* (enteric coated)	Videx® EC	Capsule	1	Guaifenesin and dextromethorphan* (extended release)	Allfen®-DM, Mucophen® DM, Guia-D, Q-Bid DM, Respa-DM®, Z-Cof LA	Tablet	2, 8
Diethylpropion* (controlled release)	Tenuate® Dospan®	Tablet	2	Guaifenesin and phenylephrine* (extended release)	Crantex ER, Deconsal II®, Entex® ER, Entex® LA, Guaifed®, Phenavent™	Capsule	2
Diflunisal	(Generic forms available)	Tablet	4	Guaifenesin and phenylephrine* (extended release)	Aldex™, Ami-Tex LA, Crantex LA, Endal®, Liquibid® PD, Phenavent™ D, Prolex™-D, SINUvent® PE, XPECT-PE™	Tablet	2
Digoxin*	Lanoxicaps®	Capsule	9	Guaifenesin and potassium guaiaac sulfate* (extended release)	Allfen, Humibid® LA	Tablet	2, 8
Diltiazem*	Cardizem®	Tablet	16	Guaifenesin and pseudoephedrine* (extended release)	Respire®-120 SR, Respire®-60 SR	Capsule	2
Diltiazem* (extended release)	Cartia XT, Dilacor® XR, Diltia® XT, Diltiazem ER	Capsule	2	Guaifenesin and pseudoephedrine* (extended release)	Ami-Tex PSE, Guaifenex® GP, Guaifenex® PSE, Zephrex LA®, Maxifed®, Maxifed® G, Mucinex®-D, Nasatab® LA, PanMist®-LA, Touro® LA	Tablet	2
Diltiazem* (extended release)	Cardizem® CD, Taztia™ XT, Tiazac®	Capsule	2, 5	Guaifenesin and pseudoephedrine* (extended release)	Dynex®, Guaimax-D®, Profen II®, Profen Forte®, Zephrex-LA®	Tablet	2, 8
Diltiazem* (extended release)	Cardizem® LA	Tablet	2	Guaifenesin, pseudoephedrine and dextromethorphan* (extended release)	Maxifed® DM, Medent-DM, Touro® CC, Touro® CC-LD	Tablet	2, 8
Diphenhydramine and pseudoephedrine* (ODT)	Benadryl® Allergy and Sinus Fastmelt™	Tablet	14	Guaifenesin, pseudoephedrine and dextromethorphan* (extended release)	Ambifed-G DM, Coldmist DM, Profen Forte™ DM, Profen II DM®, Pseudovent™ DM, Pseudo Max DMX	Tablet	2
Disopyramide* (controlled release)	Norpace® CR	Capsule	2	Hyoscyamine* (extended release)	Cystospaz-M®, Levsinex® Timecaps	Capsule	2
Donepezil* (ODT)	Aricept® ODT	Tablet	14	Hyoscyamine* (extended release)	Hyoscyamine ER, Symax™-SR	Tablet	2
Doxazosin* (extended release)	Cardura® XL	Tablet	2	Hyoscyamine* (extended release)	Levbid®	Tablet	2, 8
Doxycycline	Oracea™	Capsule	2	Hyoscyamine* (sublingual)	Levsin/SL®	Tablet	6
Doxycycline	Doryx®	Tablet	1	Ibandronate	Boniva®	Tablet	4
Dronabinol	Marinol®	Capsule	9	Ibuprofen*	(Generic forms available)	Tablet	3
Duloxetine	Cymbalta®	Capsule	1	Indomethacin* (sustained release)	Indocin® SR, Indomethacin SR	Capsule	2
Enalapril and felodipine	Lexxel®	Tablet	2	Iron salts* (timed release)	Fero-Grad 500®, Ferro-Sequels®, Slow FE®	Tablet	2
Ergocalciferol*	Discol®	Capsule	9				
Ergoloid mesylates* (sublingual)	(Generic forms available)	Tablet	6				
Ergotamine	Ergomar®	Tablet	6				
Erythromycin*	Ery-tab®, PCE®	Tablet	1				
Erythromycin* (enteric coated)	Eryc®	Capsule	1				
Esomeprazole	Nexium®	Capsule	1, 5				
Eszopiclone	Lunesta™	Tablet	11				
Etodolac* (extended release)	Lodine® XL	Tablet	2				
Felodipine	Plendil®	Tablet	2				
Fexofenadine and pseudoephedrine	Allegra-D®	Tablet	2				
Finasteride	Propecia®, Proscar®	Tablet	12				
Fluoxetine* (delayed release)	Prozac® Weekly	Capsule	2				

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Isosorbide dinitrate* (sublingual)	Isordil® Sublingual	Tablet	6	Morphine sulfate* (extended release)	MS Contin®, Oramorph SR®	Tablet	2
Isosorbide dinitrate* (sustained release)	Dilatrate® SR	Capsule	2	Mycophenolate*	CellCept®	Tablet, Capsule	12
Isosorbide dinitrate* (sustained release)	Isordil® Tembidi, Isosorbide Dinitrate SR, Sorbitrate® SA	Tablet	2	Mycophenolate* (delayed release)	Myfortic®	Tablet	1
Isosorbide mononitrate* (extended release)	Imdur®	Tablet	2, 8	Naproxen* (controlled release)	Naprelan®	Tablet	2
Isotretinoin	Accutane®	Capsule	4	Naproxen* (enteric coated)	EC-Naprosyn	Tablet	1
Isradipine	DynaCirc® CR	Tablet	2	Naproxen and pseudoephedrine	Aleve® Cold & Sinus, Aleve® Sinus & Headache	Tablet	2
Ketoprofen*	(Generic forms available)	Capsule	2	Niacin and lovastatin	Advicor®	Tablet	2
Lansoprazole*	Prevacid®	Capsule	1, 5	Niacin* (extended release)	Niacin ER, Niaspan®	Tablet	2
Lansoprazole* (granules)	Prevacid Packets for Suspension	Granules	1, 10	Niacin* (controlled release)	Slo-Niacin®	Tablet	2, 8
Lansoprazole* (ODT)	Prevacid® SoluTab™	Tablet	14	Nicardipine* (sustained release)	Cardene SR®	Capsule	2
Levodopa and carbidopa* (ODT)	Parcopa™	Tablet	14	Nifedipine*	Procardia®	Capsule	9
Levodopa and carbidopa* (sustained release)	Sinemet® CR	Tablet	2, 8	Nifedipine* (extended release)	Acalat® CC, Afectedab™ CR, Nifedical XL, Nifediac™ CC, Nifedipine ER, Procardia XL®	Tablet	2
Lithium* (controlled release)	Eskalith CR, Lithobid®	Tablet	2	Nimodipine	Nimotop®	Capsule	9
Loratidine* (extended release)	Alavert™ Allergy and Sinus, Claritin-D®	Tablet	2	Nisoldipine	Sular®	Tablet	2
Loratidine* (ODT)	Alavert®, Claritin® RediTabs®, Triaminic® Allerchews™	Tablet	14	Nitroglycerin*	Nitro-Time®	Capsule	2
Lovastatin* (extended release)	Altprev® ER	Tablet	2	Nitroglycerin* (sublingual)	NitroQuick®, Nitrostat®	Tablet	6
Lubiprostone	Amitiza™	Capsule	9	Olanzapine* (ODT)	Zyprexa® Zydys®	Tablet	14
Magnesium salts* (delayed release)	Mag 64™, Mag Delay®, Mag-Tab® SR	Tablet	2	Olanzapine and fluoxetine	Symbyax™	Capsule	11
Magnesium salts* (enteric coated)	Slow-Mag®, MagineX™	Tablet	1	Omeprazole	PriLOSEC®	Capsule	1
Meprobarbital	(Generic forms available)	Tablet	3	Orphenadrine	Norflex™	Tablet	2
Mesalamine* (controlled release)	Pentasa®	Capsule	2	Oxybutynin* (extended release)	Ditropan® XL	Tablet	2
Mesalamine* (enteric coated)	Asacol®	Tablet	1	Oxycodone* (extended release)	OxyContin®	Tablet	2
Metformin* (extended release)	Fortamet®, Glucophage® XR, Glumetza™	Tablet	2	Oxymorphone* (extended release)	Oprana® ER	Tablet	2
Methenamine* (enteric coated)	Mandelamine®	Tablet	1	Pancrelipase	Creon®, Lipram, Pancrecarb MS®, Pancrease® MT, Pangestyme™, Ultrase®	Capsule	1, 5, 15
Methylphenidate* (extended release)	Metadate® CD, Ritalin® LA	Capsule	2, 5	Pantoprazole	Protonix®	Tablet	1
Methylphenidate* (extended release)	Concerta®, Metadate® ER, Methylin® ER, Ritalin SR®	Tablet	2	Papaverine	Para-Time SR®	Capsule	2
Metoprolol* (extended release)	Toprol XL®	Tablet	2, 8	Paricalcitol	Zemlar®	Capsule	9
Metronidazole* (extended release)	Flagyl® ER	Tablet	2	Paroxetine* (controlled release)	Paxil CR®	Tablet	2
Minocycline*	Minocin®	Capsule	4	Pentoxifylline	Pentoxil®, Trental®	Tablet	2
Minocycline* (extended release)	Solodyn™	Tablet	2	Phendimetrazine* (sustained release)	Bontril® Slow Release	Capsule	2
Mirtazapine* (ODT)	Remeron Soltab®	Tablet	14	Phenylephrine, pseudoephedrine, chlorpheniramine, atropine, hyoscyamine, scopolamine	Stahist™	Tablet	2
Morphine sulfate* (extended release)	Avinza®, Kadian®	Capsule	2, 5	Phenytoin* (extended release)	Dilantin®, Phenytek™	Capsule	2
				Pioglitazone and metformin	Actoplus Met™	Tablet	11

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Piroxicam	Feldene®	Capsule	4	Sildenafil	Revatio™, Viagra®	Tablet	11
Potassium bicarbonate and potassium chloride	K-Lyte®	Tablet	7	Sodium bicarbonate* (granules)	Brioschi®	Granules	7
Potassium chloride*	microK®	Capsule	2, 5	Sulfasalazine* (delayed release)	Azulfidine® EN-tabs®, Sulfazine EC	Tablet	1
Potassium chloride*	K-Dur®, K-Tab®, Kaon Cl®, Klor-Con®	Tablet	2	Sumatriptan	Imitrex®	Tablet	13
Potassium citrate	Urocit® K	Tablet	1	Tamsulosin	Flomax®	Capsule	2
Prednisolone* (ODT)	Orapred ODT™	Tablet	14	Temozolomide	Temodar®	Capsule	4
Procainamide* (extended release)	Procanbid®	Tablet	2	Theophylline* (extended release)	Theo-24®, TheoCap™	Capsule	2
Proprantheline	(Generic forms available)	Tablet	3	Theophylline* (extended release)	Quibron®-T/SR, TheoChron®	Tablet	2
Propranolol* (extended release)	Inderal® LA, InnoPran XL™	Capsule	2	Theophylline* (extended release)	Uniphyll®	Tablet	2, 8
Pseudoephedrine* (extended release)	Contact® Cold, Dimetapp® 12-Hour Non-Drowsy Extentabs®, Sudafed® 12 hour, Sudafed® 24 Hour	Tablet	2	Thyphoid vaccine	Vivotif Berna®	Capsule	1
Pyridostigmine* (sustained release)	Mestinon® Timespan®	Tablet	2	Tolterodine* (extended release)	Detrol® LA	Capsule	2
Quinidine* (extended release)	Quinidine Gluconate ER, Quinidine Sulfate ER	Tablet	2	Topiramate*	Topamax® Sprinkle	Capsule	5
Rabeprazole	Aciphex®	Tablet	1	Tramadol* (extended release)	Ultram® ER	Tablet	2
Ramelteon	Rozerem™	Tablet	11	Trandolapril and verapamil	Tarka®	Tablet	2
Ranolazine	Ranexa™	Tablet	2, 11	Divalproex Sodium*	Depakote® Sprinkle	Capsule	1, 5
Risedronate, risedronate/calcium	Actonel®, Actonel® with Calcium	Tablet	4	Valproic acid*	Depakene®	Capsule	4, 9
Risperidone* (ODT)	Risperdal® M-Tab™	Tablet	14	Divalproex Sodium*	Depakote®	Tablet	1
Ropinirol (ODT)	Requip®	Tablet	14	Divalproex Sodium* (extended release)	Depakote® ER	Tablet	2, 11
Selegiline* (ODT)	Zelapar™	Tablet	14	Venlafaxine* (extended release)	Effexor® XR	Capsule	2, 5
Sevelamer	Renagel®	Tablet	13	Verapamil* (extended release)	Verelan®, Verelan® PM	Capsule	2, 5
				Verapamil* (extended release)	Covera-HS®, Isoptin® SR	Tablet	2
				Verapamil* (extended release)	Calan® SR	Tablet	2, 8
				Zolpidem* (extended release)	Ambien™ CR	Tablet	2

Alternate dosage forms (e.g. liquid, crushable immediate release tablets, non-enteric coated, topical patches) for the product are available. Dose, frequency of administration, and manufacturers may differ from the brand name listed.

ODT = Orally Disintegrating Tablet

- Enteric coated formulation.
- Time release formulation.
- Unpleasant taste.
- Can irritate mucus membranes and/or skin.
- Capsule may be opened and contents removed for administration without crushing, chewing, or dissolving.
- Tablets are made to disintegrate under the tongue.
- Tablets MUST be dissolved in liquid as recommended by the manufacturer.
- Tablet is scored and may be broken in half, at the score line, without affecting release characteristics in most situations.

- Liquid filled capsule.
- Contents may be dissolved in water for administration.
- Not recommended by manufacturer. No data available.
- Women who are or may become pregnant should not handle crushed or broken tablets.
- Miscellaneous
- Product designed to dissolve in the mouth.
- Once digestive enzyme capsules are opened onto food, swallow immediately to reduce irritation of mucosa. Follow-up with fluid. Contact with foods having pH > 5.5 can dissolve enteric coating.

- Crushing diltiazem tablets will alter the controlled-release mechanism resulting in instant release of drug which may cause faster absorption, earlier time to max concentration, and higher max concentration. The duration of effect might be decreased necessitating more frequent dosing when tablets are crushed. Patients who are administered crushed tablets should be closely monitored for exaggerated effect.
- Antacids and/or milk may prematurely dissolve the coating of the tablet.

This document is not all-inclusive and not all products may be available in all areas. Use of the document also requires health professionals to evaluate individual patient needs (i.e. the list should not be viewed as an absolute contraindication to crushing). References available upon request.



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