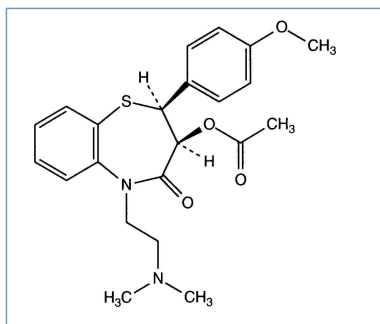


# Stabilis



## Diltiazem hydrochloride



Noms commerciaux

Alcalix	Argentine
Altiazem	Italie
Angizem	Italie
Balcor	Brésil
Cardizem	Etats Unis d'Amérique
Cirilen	Equateur
Diltiazem	Canada, Equateur, Etats Unis d'Amérique
Diltizem	Turquie
Dilzem	Allemagne, Autriche, Hongrie, Inde, Pologne, Suisse
Dilzene	Italie
Herbesser	Japon, Malaisie
Masdil	Espagne
Tildiem	France, Grèce, Italie, Luxembourg, Pays bas



### Stabilité des solutions

PVC		1 mg/ml	21°C		48			1462
PE		0,05 mg/ml	22°C		24			1067
PE		0,05 mg/ml	4°C		24			1067
PE		1 mg/ml	21°C		48			1462
POF		1 mg/ml	-20°C		30			3409
POF		1 mg/ml	2-8°C		30			3409
POF		1 mg/ml	22-25°C		30			3409



## Stabilité en mélange

		0,5 mg/ml	22°C-23°C		Milrinone lactate : 0,2 mg/ml	4		813



## Facteur influençant la stabilité

				1851
				198



## Compatibilités

		Diltiazem hydrochloride : 5 mg/ml Acetazolamide : 100 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Acetazolamide : 100 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Aciclovir sodium : 5 & 7 mg/ml		198
		Diltiazem hydrochloride Aciclovir sodium		3595
		Diltiazem hydrochloride : 5 mg/ml Aciclovir sodium : 5 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Aciclovir sodium : 7 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Amikacin sulfate : 5 & 250 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Aminophylline : 25 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Aminophylline : 25 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Aminophylline : 2 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Amphotericin B : 0.1 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Ampicillin sodium : 100 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Ampicillin sodium : 100 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Ampicillin sodium : 10 & 20 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Ampicillin sodium - sulbactam sodium : 45 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Ampicillin sodium - sulbactam sodium : 2 & 15 mg/ml		198

		Diltiazem hydrochloride : 5 mg/ml Ampicillin sodium - sulbactam sodium : 45 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Argatroban : 1 mg/ml		1964
		Diltiazem hydrochloride : 1 mg/ml Argatroban : 1 mg/ml		3764
		Diltiazem hydrochloride : 1 mg/ml Aztreonam : 333 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Aztreonam : 20 & 333 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Bivalirudin : 5 mg/ml		1713
		Diltiazem hydrochloride : 5 mg/ml Bivalirudin : 5 mg/ml		1944
		Diltiazem hydrochloride : 5 mg/ml Bretylium tosilate : 10 & 50 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Bretylium tosilate : 50 mg/ml		198
		Diltiazem hydrochloride : 1 & 5 mg/ml Bumetanide : 0.25 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Caspofungin acetate : 0,7 mg/ml		2247
		Diltiazem hydrochloride : 5 mg/ml Cefamandole nafate : 10 >> 200 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Cefamandole nafate : 10 >> 200 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Cefazolin sodium : 20 & 200 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Cefazolin sodium : 200 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Cefiderocol sulfate tosylate : 20 mg/mL		4528
		Diltiazem hydrochloride : 1 & 5 mg/ml Cefoperazone sodium : 2 & 5 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Cefoperazone sodium : 10 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Cefoperazone sodium : 10 >> 50 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Cefoperazone sodium : 20 >> 50 mg/ml		198
		Diltiazem hydrochloride : 1 & 5 mg/ml Cefotaxime sodium : 10 & 180 mg/ml		198
		Diltiazem hydrochloride : 1 & 5 mg/ml Cefoxitin sodium : 200 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Cefoxitin sodium : 10 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Ceftaroline fosamil : 2,22 mg/ml		3249
		Diltiazem hydrochloride : 5 mg/ml Ceftaroline fosamil : 2,22 mg/ml	RL	3249
		Diltiazem hydrochloride : 5 mg/ml Ceftazidime : 10 mg/ml		198

		Diltiazem hydrochloride : 1 & 5 mg/ml Ceftazidime : 170 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Ceftobiprole medocartil sodium : 2 mg/ml	RL	2269
		Diltiazem hydrochloride Ceftobiprole medocartil sodium		4650
		Diltiazem hydrochloride : 5 mg/ml Ceftobiprole medocartil sodium : 2 mg/ml		2269
		Diltiazem hydrochloride : 5 mg/ml Ceftolozane / tazobactam : 10/5 mg/ml		3828
		Diltiazem hydrochloride : 5 mg/ml Ceftriaxone disodium : 40 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Cefuroxime sodium : 15 mg/ml		198
		Diltiazem hydrochloride : 1 & 5 mg/ml Cefuroxime sodium : 100 mg/ml		198
		Diltiazem hydrochloride : 1 & 5 mg/ml Cimetidine hydrochloride : 150 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Cimetidine hydrochloride : 6 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Ciprofloxacin lactate : 2 & 10 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Cisatracurium besylate : 1 mg/ml		3429
		Diltiazem hydrochloride : 5 mg/ml Clindamycin phosphate : 12 & 150 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Co-trimoxazole : 0.21 & 0.63 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Dexmedetomidine : 4 µg/ml		1712
		Diltiazem hydrochloride : 1 & 5 mg/ml Diazepam : 5 mg/ml		198
		Diltiazem hydrochloride : 1 & 5 mg/ml Digoxin : 500 µg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Dobutamine hydrochloride : 4 mg/ml		314
		Diltiazem hydrochloride : 1 mg/ml Dobutamine hydrochloride : 2 mg/ml		524
		Diltiazem hydrochloride : 1 & 5 mg/ml Dobutamine hydrochloride : 1 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Dopamine hydrochloride : 1,6 mg/ml		524
		Diltiazem hydrochloride : 1 & 5 mg/ml Dopamine hydrochloride : 0.8 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Dopamine hydrochloride : 3.2 mg/ml		314
		Diltiazem hydrochloride : 5 mg/ml Doripenem : 5 mg/ml		2262
		Diltiazem hydrochloride : 5 mg/ml Doxycycline hyclate : 1 & 10 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Epinephrine hydrochloride : 4 µg/ml		198

	Diltiazem hydrochloride : 1 mg/ml Epinephrine hydrochloride : 20 µg/ml		314
	Diltiazem hydrochloride : 1 & 5 mg/ml Epinephrine hydrochloride : 50 µg/ml		198
	Diltiazem hydrochloride : 5 mg/ml Eravacycline : 0,6 mg/ml		4434
	Diltiazem hydrochloride : 5 mg/ml Erythromycin lactobionate : 5 & 50 mg/ml		198
	Diltiazem hydrochloride : 1 mg/ml Esmolol hydrochloride : 10 mg/ml		524
	Diltiazem hydrochloride : 5 mg/ml Fenoldopam mesylate : 80 µg/ml		1803
	Diltiazem hydrochloride : 1 mg/ml Fentanyl citrate : 50 µg/ml		314
	Diltiazem hydrochloride : 5 mg/ml Fluconazole : 2 mg/ml		198
	Diltiazem hydrochloride : 5 mg/ml Fosfomycin : 30 mg/ml	 	4055
			3210
			314
			198
	Diltiazem hydrochloride : 5 mg/ml Gentamicin sulfate : 2.4 & 40 mg/ml		198
	Diltiazem hydrochloride : 1 & 5 mg/ml Heparin sodium : 80 >> 10000 UI/ml		198
			198
	Diltiazem hydrochloride : 1 mg/ml Heparin sodium : 100 UI/ml		314
	Diltiazem hydrochloride : 1 mg/ml Heparin sodium : 20000 UI/ml		198
	Diltiazem hydrochloride : 1 mg/ml Heparin sodium : 100 UI/ml		4556
			4556
	Diltiazem hydrochloride : 5 mg/ml Hetastarch : 60 mg/ml		198
	Diltiazem hydrochloride : 5 mg/ml Hetastarch : 60 mg/ml		1721
	Diltiazem hydrochloride : 5 mg/ml Human albumin : 50 mg/ml		198
	Diltiazem hydrochloride : 5 mg/ml Human albumin : 250 mg/ml		198
			198
	Diltiazem hydrochloride : 5 mg/ml Hydrocortisone sodium succinate : 1 & 2 mg/ml		198
	Diltiazem hydrochloride : 1 mg/ml Hydrocortisone sodium succinate : 50 & 125 mg/ml		198

		Diltiazem hydrochloride : 1 mg/ml Hydromorphone hydrochloride : 1 mg/ml		314
		Diltiazem hydrochloride : 5 mg/ml Imipenem - cilastatin sodium : 5 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Imipenem-Cilastatin / Relebactam : 5 mg/ml		4433
		Diltiazem hydrochloride : 1 & 5 mg/ml Insulin : 100 UI/ml		198
		Diltiazem hydrochloride : 5 mg/ml Insulin : 0.4 UI/ml		198
		Diltiazem hydrochloride : 1 mg/ml Insulin aspart : 1 UI/ml		1508
		Diltiazem hydrochloride : 5 mg/ml Isavuconazonium sulfate : 1.5 mg/ml		3829
		Diltiazem hydrochloride : 1 mg/ml Labetalol hydrochloride : 2 mg/ml		314
		Diltiazem hydrochloride : 5 mg/ml Lansoprazole : 0.55 mg/ml		1625
		Diltiazem hydrochloride : 5 mg/ml Lidocaine hydrochloride : 4 & 8 mg/ml		198
		Diltiazem hydrochloride : 1 & 5 mg/ml Lidocaine hydrochloride : 10 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Lidocaine hydrochloride : 8 mg/ml		524
		Diltiazem hydrochloride : 5 mg/ml Lorazepam : 4 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Lorazepam : 2 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Lorazepam : 0.5 mg/ml		314
		Diltiazem hydrochloride : 1 mg/ml Methylprednisolone sodium succinate : 2.5 >> 62.5 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Methylprednisolone sodium succinate : 2.5 >> 62.5 mg/ml		198
		Diltiazem hydrochloride : 1 & 5 mg/ml Metoclopramide hydrochloride : 5 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Metoclopramide hydrochloride : 0.2 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Metoprolol tartrate : 1 mg/ml		2346
		Diltiazem hydrochloride : 5 mg/ml Metronidazole : 5 & 8 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Micafungin : 1.5 mg/ml		2108
		Diltiazem hydrochloride : 1 mg/ml Midazolam hydrochloride : 2 mg/ml		314
		Diltiazem hydrochloride : 1 mg/ml Milrinone lactate : 0.2 mg/ml		314
		Diltiazem hydrochloride : 2 mg/ml Milrinone lactate : 0.8 mg/ml		813
		Diltiazem hydrochloride : 1 & 5 mg/ml Morphine sulfate : 15 mg/ml		198

	Diltiazem hydrochloride : 5 mg/ml Morphine sulfate : 0.4 mg/ml		198	
	Diltiazem hydrochloride : 1 mg/ml Morphine sulfate : 2 mg/ml		314	
	Diltiazem hydrochloride : 1 mg/ml Nafcillin sodium : 10 & 200 mg/ml		198	
		Diltiazem hydrochloride : 5 mg/ml Nafcillin sodium : 10 & 200 mg/ml		198
	Diltiazem hydrochloride : 1 mg/ml Nicardipine hydrochloride : 1 mg/ml		314	
	Diltiazem hydrochloride : 1 & 5 mg/ml Nitroglycerin : 0.4 mg/ml		198	
	Diltiazem hydrochloride : 1 mg/ml Nitroglycerin : 0.4 mg/ml		314	
	Diltiazem hydrochloride : 1 mg/ml Nitroglycerin : 0,032 mg/ml		524	
	Diltiazem hydrochloride : 1 & 5 mg/ml Nitroprusside sodium : 0.2 mg/ml		198	
	Diltiazem hydrochloride : 1 mg/ml Norepinephrine bitartrate : 0,12 mg/ml		524	
	Diltiazem hydrochloride : 1 mg/ml Norepinephrine bitartrate : 0.128 mg/ml		314	
	Diltiazem hydrochloride : 1 & 5 mg/ml Oxacillin sodium : 100 mg/ml		198	
	Diltiazem hydrochloride : 5 mg/ml Oxacillin sodium : 10 mg/ml		198	
	Diltiazem hydrochloride : 1 & 5 mg/ml Penicillin G potassium : 1 MUI/ml		198	
	Diltiazem hydrochloride : 5 mg/ml Penicillin G potassium : 0.1 MUI/ml		198	
	Diltiazem hydrochloride : 5 mg/ml Pentamidine isetionate : 6 & 30 mg/ml		198	
	Diltiazem hydrochloride : 5 mg/ml Pethidine hydrochloride : 10 mg/ml		198	
	Diltiazem hydrochloride : 1 & 5 mg/ml Pethidine hydrochloride : 100 mg/ml		198	
		Diltiazem hydrochloride : 1 & 5 mg/ml Phenytoin sodium : 50 mg/ml		198
	Diltiazem hydrochloride : 5 mg/ml Piperacillin sodium : 20 mg/ml		198	
	Diltiazem hydrochloride : 1 & 5 mg/ml Piperacillin sodium : 200 mg/ml		198	
	Diltiazem hydrochloride : 5 mg/ml Plazomicin sulfate : 24 mg/ml		4145	
	Diltiazem hydrochloride : 1 & 5 mg/ml Potassium chloride : 80 mEq/l		198	
	Diltiazem hydrochloride : 5 mg/ml Potassium chloride : 2000 mEq/l		198	
	Diltiazem hydrochloride : 5 mg/ml Potassium phosphate : 0.015 mmol/ml		198	
	Diltiazem hydrochloride : 1 & 5 mg/ml Procainamide hydrochloride : 50 mg/ml		198	

		Diltiazem hydrochloride : 5 mg/ml Procainamide hydrochloride : 500 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Procainamide hydrochloride : 2 mg/ml		198
		Diltiazem hydrochloride : 1 & 5 mg/ml Ranitidine hydrochloride : 25 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Ranitidine hydrochloride : 1 mg/ml		314
		Diltiazem hydrochloride : 5 mg/ml Ranitidine hydrochloride : 0.5 & 1 mg/ml		198
		Diltiazem hydrochloride : 1 & 5 mg/ml Rifampicin : 6 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Sodium bicarbonate : 84 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Sodium bicarbonate : 84 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Tedizolid phosphate : 0.8 mg/ml		3827
		Diltiazem hydrochloride : 5 mg/ml Telavancin hydrochloride : 7.5 mg/ml		3254
		Diltiazem hydrochloride : 5 mg/ml Telavancin hydrochloride : 7.5 mg/ml	RL	3254
		Diltiazem hydrochloride : 5 mg/ml Theophylline : 0.8 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Thiopental sodium : 25 mg/ml		314
		Diltiazem hydrochloride : 5 mg/ml Ticarcillin / clavulanic acid : 10 mg/ml		198
		Diltiazem hydrochloride : 1 & 5 mg/ml Ticarcillin / clavulanic acid : 200 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Tobramycin sulfate : 2.4 & 40 mg/ml		198
		Diltiazem hydrochloride : 5 mg/ml Vancomycin hydrochloride : 5 & 50 mg/ml		198
		Diltiazem hydrochloride : 1 mg/ml Vasopressin : 2 & 4 UI/ml		1801
		Diltiazem hydrochloride : 1 mg/ml Vecuronium bromide : 1 mg/ml		314



## Voie d'administration







## Bibliographie

	Type	Source
198	Revue	Gayed AA, Kheshary PR, Hinkle RL. Visual compatibility of diltiazem injection with various diluents and medications during simulated Y-site injection. Am J Health-Syst Pharm 1995 ; 52: 516-520.
314	Revue	Chiu MF, Schwartz ML. Visual compatibility of injectable drugs used in the intensive care unit. Am J Health-Syst Pharm 1997 ; 54: 64-65.
524	Revue	Farquhar Zanetti LA. Visual compatibility of diltiazem with commonly used injectable drugs during simulated Y-site administration. Am J Hosp Pharm 1992 ; 49: 1911.
813	Revue	Akkermann SR, Zhang H, Mullins RE, Yaughn K. Stability of milrinone lactate in the presence of 29 critical care drugs and 4 IV solutions. Am J Health-Syst Pharm 1999 ; 56: 63-68.
1067	Revue	Zeidler C, Dettmering D, Schrammel W, Spieteller M. Compatibility of various drugs used in intensive care medicine in polyethylene, PVC and glass infusion containers. EJHP 1999 ; 5: 106-110.
1462	Revue	De Vroe C, de Muynck C, Remon JP, Scheldewaert R, Colardyn F. The availability of diltiazem: a study on the sorption by intravenous delivery systems and on the stability of the drug. J Pharm Pharmacol 1989 ; 41: 273-275.
1508	Revue	Voirol P, Berger-Gryllaki M, Pannatier A, Eggimann P, Sadeghipour F. Visual compatibility of insulin aspart with intravenous drugs frequently used in ICU. EJHP 2015 ;22:123-124.
1625	Revue	Trissel LA, Saenz C, Williams YW, Ingram D. Incompatibilities of lansoprazole injection with other drugs during simulated Y-site coadministration. Int J Pharm Compound 2001 ; 5: 314-321.
1712	Revue	Trissel LA, Saenz CA. Compatibility screening of Precedex during simulated Y-site administration with other drugs. Int J Pharm Compound 2002 ; 6: 230-233.
1713	Revue	Trissel LA, Saenz CA. Compatibility screening of bivalirudin during simulated Y-site administration with other drugs. Int J Pharm Compound 2002 ; 6: 311-315.
1721	Revue	Trissel LA, Williams KY, Baker MB. Compatibility screening of Hextend during simulated Y-site administration with other drugs. Int J Pharm Compound 2001 ; 5: 69-72.
1801	Revue	Feddema S, Rusho WJ, Tyler LS, Barker B. Physical compatibility of vasopressin with medications commonly used in cardiac arrest. Am J Health-Syst Pharm 2003 ; 60: 1271-1272.
1803	Revue	Trissel, LA, Saenz CA, Ogundele OB, Ingram D, Baker MB. Compatibility of fenoldopam mesylate with other drugs during simulated Y-site administration. Am J Health-Syst Pharm 2003 ; 60: 80-85.
1851	Revue	Andrisano V, Hrelia P, Gotti R, Leoni A, Cavrini V. Photostability and phototoxicity studies on diltiazem. J Pharm Biomed Anal 2001 ; 25, 3-4: 589-597.
1944	Revue	Hartman CA, Faria CE, Mago K. Visual compatibility of bivalirudin with selected drugs. Am J Health-Syst Pharm 2004 ; 61: 1774.

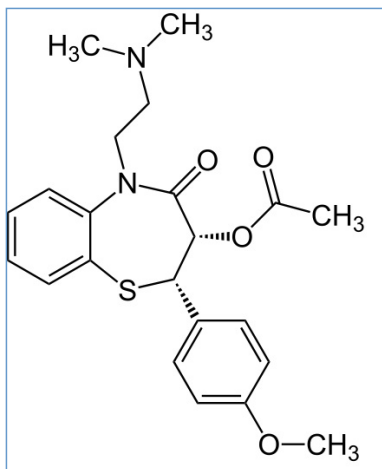
1964	Revue	Hartman CA, Baroletti SA, Churchill WW et al. Visual compatibility of argatroban with selected drugs. Am J Health-Syst Pharm 2002 ; 59: 1784-1785.
2108	Revue	Trusley C, Kupiec TC, Trissel LA. Compatibility of micafungin injection with other drugs during simulated Y-site co-administration. Int J Pharm Compound 2006 ; 10: 230-232.
2247	Revue	Chan P, Heatherly K, Kupiec T.C, Trissel L.A. Compatibility of caspofungin acetate injection with other drugs during simulated Y-site coadministration. Int J Pharm Compound 2008 ; 12, 3: 276-278.
2262	Revue	Brammer MK, Chan P, Heatherly K, Trusley C, Kupiec TC, Trissel LA, Psathas PA, Gilmor T, Schaufelberger D. Compatibility of doripenem with other drugs during simulated Y-site administration Am J Health-Syst Pharm 2008 ; 65: 1261-1265.
2269	Revue	Chan P, Bishop A, Kupiec TC, Trissel LA, Gole D, Jimidar IM, Vermeersch H. Compatibility of ceftobiprole medocaril with selected drugs during simulated Y-site administration. Am J Health-Syst Pharm 2008 ; 65, 16: 1545-1551.
2346	Revue	Newland A.M, Mauro V.F, Alexander K.S. Physical compatibility of metoprolol tartrate injection with selected cardiovascular agents Am J Health-Syst Pharm 2009 ; 66: 986-987.
3210	Revue	Jasti Bhaskara R, Saraf Poonam. Compatibility of Parenteral Furosemide with Seventeen Secondary Drugs Used in Standard Concentrations. Int J Pharm Compound 2011 ; 15, 3: 259-261.
3249	Revue	Singh BM, Dedhiya MG, Dinunzio J, Chan P, Kupiec TC, Trissel LA, Laudano JB. Compatibility of ceftaroline fosamil for injection with selected drugs during simulated Y-site administration. Am J Health-Syst Pharm 2011 ; 68: 2163-2169.
3254	Revue	Housman S.T, Tessier P.R, Nicolau D.P, Kuti J.L. Physical compatibility of telavancin hydrochloride with select i.v. drugs during simulated Y-site administration Am J Health-Syst Pharm 2011 ; 68: 2265-2270.
3409	Revue	Kaushal G, Sayre B.E, Prettyman T. Stability of extemporaneously compounded diltiazem hydrochloride infusions stored in polyolefin bags Am J Health-Syst Pharm 2013 ; 70:894-899.
3429	Revue	Foushee J.A, Fox L.M, Gormley L.R, Lineberger M.S. Physical compatibility of cisatracurium with selected drugs during simulated Y-site administration Am J Health-Syst Pharm 2015 ; 72:483-486
3595	Laboratoire	Aciclovir - Summary of Product Characteristics Hospira 2009
3764	Revue	Jakimczuk P.J, Churchwell M.D, Howard M.S, Mauro V.F, Alexander K.S, Boddu S.H.S. Compatibility of argatroban injection with select antiarrhythmic drugs Am J Health-Syst Pharm 2014 2014; 71: 1831-1832.
3827	Poster	Ghazi I.M, Hamada Y, Nicolau D.P. Compatibility of tedizolid phosphate with selected intravenous drugs via simulated Y-site conditions. ASHP Midyear 2015
3828	Poster	Thabit A.K, Hamada Y, Nicolau D.P. Ceftazolidime/tazobactam physical compatibility during simulated Y-site administration. ASHP Midyear 2015
3829	Poster	So W, Kim L, Thabit A.K, Nicolau D.P, Kuti J.L. Compatibility of isavuazonium sulfate during simulated Y-site administration. ASHP Midyear 2015
4055	Revue	Monogue M, Almarzoky Abuhussain S, Kuti J, Nicolau D. Physical compatibility of fosfomicin for injection with select i.v. drugs during simulated Y-site administration. Am J Health-Syst Pharm 2018 , 75, 1:36-44
4145	Revue	Asempa T.E, Avery L.M, Kidd J.M, Kuti J.L, Nicolau D.P. Physical compatibility of plazomicin with select i.v. drugs during simulated Y-site administration. Am J Health-Syst Pharm 2018 ;75,14:1048-1056

4433	Revue	Ghazi I.M, El Nekidy W.S, Sood A, Dulku A, Patel R, Patel K. Y-site Administration of Imipenem/Cilastatin/ Relebactam With Common Intravenous Medications Clin Ther 2020 ; 42, 3: 475-485.
4434	Revue	Avery L.M, Chen, I.H, Reyes, S, Nicolau, D.P, Kuti J.L. Assessment of the Physical Compatibility of Eravacycline and Common Parenteral Drugs During Simulated Y-site Administration. Clin Ther 2019 ; 41, 10: 2162-2170.
4528	Revue	Lu J, Liu Q, Kupiec T, Vail H, Lunch L, Fam D, Vu N. Physical Compatibility of Cefiderocol with Selected Intravenous Drugs During Simulated Y-site Administration. Int J Pharm Compound 2021 ;25,1:52-61
4556	Revue	Dobson, S.R, Mauro, V.F, Boddu, S.H.S, Churchwell, M.D. The Physical Compatibility of Clinically Used Concentrations of Diltiazem Hydrochloride With Heparin Sodium. J Pharm Technol 2020 ; 36, 4: 126-129.
4650	Laboratoire	Ceftobiprole (Zevtera 500 mg powder for concentrate for solution for infusion.) Summary of Product Characteristics, Advanz Pharma updated 4 aug 2021. Advanz Pharma 2021

# Stabilis



## Diltiazem hydrochloride



### Stabilité des préparations

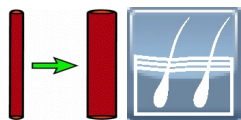
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	 1800 mg ® = ? (Fagron)	SyrSpend SF PH4® >> 150 ml	20-25°C		90			3857
	 1440 mg ?	OraPlus® / OraSweet® (1:1) >> 120 ml	25°C		60			2433
	 1440 mg ?	OraPlus® / OraSweet SF® (1:1) >> 120 ml	25°C		60			2433
	 1440 mg ?	Sirop de cerise >> 120 ml	25°C		60			2433
	 1440 mg ?	OraPlus® / OraSweet® (1:1) >> 120 ml	4°C		60			2433
	 1440 mg ?	OraPlus® / OraSweet SF® (1:1) >> 120 ml	4°C		60			2433
	 1440 mg ?	Sirop de cerise >> 120 ml	4°C		60			2433



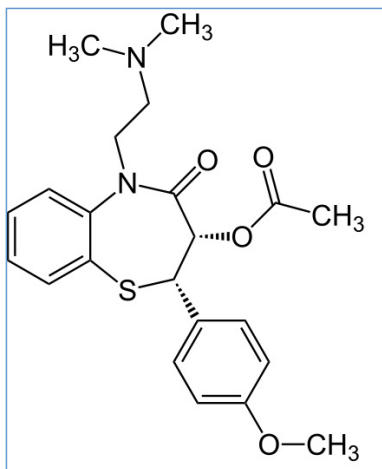
## Bibliographie

	Type	Source
2433	Revue	Allen LV, Jr, Erickson MA, Stability of baclofen, captopril, diltiazem hydrochloride, dipyridamole, and flecainide acetate in extemporaneously compounded oral liquids Am J Health-Syst Pharm 1996 ; 53: 2179-2184.
3857	Revue	Polonini H.C, Sharlene L, Claudio L,Ferreira A.O,Brand?o M.A.F. Stability of Atenolol, Clonazepam, Dexamethasone, Diclofenac Sodium, Diltiazem, Enalapril Maleate, Ketoprofen, Lamotrigine, Penicillamine-D, and Thiamine in SyrSpend SF PH4 Oral Suspensions Int J Pharm Compound 2016 ; 20, 2: 167-174.

# Stabilis



## Diltiazem hydrochloride



### Stabilité des préparations

		2 g	3 g 22°C		180			1645
Propylène Glycol 10 g		OH propyl methyl cellulose		Eau purifiée 85 g				



### Bibliographie

	Type	Source
1645	Revue	Pinto JF, Salgado AC, Alves ML, Alves S, Neves C, Falcao F. Evaluation of a diltiazem hydrochloride gel for the treatment of anal fissure. EJHP 2010 ; 16: 42-47.



# Dictionnaire

Antiarythmique	Injectable
Noms commerciaux	Stabilité des solutions
Contenant	Molécule
Concentration	Température
Conservation	Durée de stabilité
Biosimilaire	Données conflictuelles
Bibliographie	Polyvinyl chlorure
NaCl 0,9% ou glucose 5%	Lumière
Heure	Polyéthylène
A l'abri de la lumière	Polyoléfine
Glucose 5%	Jour
Stabilité en mélange	Solvant
Molécule	Verre
Facteur influençant la stabilité	Provoque
Dégradation	NaHCO3
Compatibilités	Précipitation immédiate
Incompatible	Chlorure de sodium 0,9%
Compatible	Incompatibilité non précisée
Turbidité immédiate	<b>RL</b> Ringer lactate
Aucun	Solvant spécifique
Voie d'administration	Intraveineuse
Perfusion intraveineuse	Perfusion continue
Bibliographie	Antihypertenseur
Solution buvable	Stabilité des préparations
Origine	Excipient
Flacon plastique	Poudre
Comprimés	Vasodilatateur
Forme dermique	Tube de pommade en aluminium
Dictionnaire	