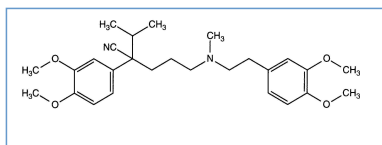


# Stabilis



## Verapamil hydrochloride



Noms commerciaux

Calaptin	Inde
Calovera	Inde
Cordilox	Grande Bretagne
Dilacorán	Mexique
Filacard	Allemagne
Flamon	Suisse
Geangin	Danemark
Isocor	Roumanie
Isoptin	Allemagne, Arabie Saoudite, Australie, Autriche, Egypte, Etats Unis d'Amérique, Grèce, Italie, Nouvelle Zélande, Pays bas, Pologne, Portugal, Suède, Suisse
Isoptina	Chili
Isoptine	Belgique, France, Luxembourg
Izoptomil	Egypte
Lekoptin	Iran
Manidon	Espagne
Palyuan	Mexique
Securon	Grande Bretagne
Serriten	Mexique
Unimylo	Mexique
Vasolan	Japon
Verahexal	Allemagne
Veraloc	Danemark
Veramex	Allemagne
Verapabene	Autriche
Verapam	Suisse
Verapamil	Allemagne, Canada, Etats Unis d'Amérique, Hongrie, Suède
Verapamilo	Argentine, Chili, Colombie, Equateur, Pérou
Verpamil	Finlande, Malaisie



### Stabilité des solutions

		0,16 mg/ml	5°C		7			1045

		0,16 mg/ml	5°C		7			1045
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### Stabilité en mélange

		0,16 mg/ml	5°C		Dobutamine hydrochloride : 0,25 mg/ml	7		1045
		1 mg/ml	22°C-23°C		Milrinone lactate : 0,35 mg/ml	4		191
		1,25 mg/ml	22°C-23°C		Milrinone lactate : 0,1 mg/ml	4		191
		0,1 & 0,4 mg/ml	24°C		Theophylline : 0,4 & 4 mg/ml	24		372
		0,16 mg/ml	5°C		Dobutamine hydrochloride : 0,25 mg/ml	7		1045



### Facteur influençant la stabilité

				1100
	PH >7			1098 1099



### Compatibilités

	Verapamil hydrochloride : 0.08 mg/ml Amikacin sulfate : 2 mg/ml	1057
	Verapamil hydrochloride : 0,1 & 0,4 mg/ml Aminophylline : 1 mg/ml	364
	Verapamil hydrochloride : 0,08 mg/ml Aminophylline : 1 mg/ml	706
	Verapamil hydrochloride : 0.05 mg/ml Amiodarone hydrochloride : 1.8 mg/ml	242
	Verapamil hydrochloride : 10 mg/ml Amoxicillin sodium / clavulanic acid : 100/10 mg/ml	3824
	Verapamil hydrochloride : 0.08 mg/ml Amphotericin B : 0.1 mg/ml	1057
	Verapamil hydrochloride : 0.08 mg/ml Amphotericin B : 0.1 mg/ml	1057
	Verapamil hydrochloride : 2,5 mg/ml Amphotericin B cholesteryl sulfate complex : 0,83 mg/ml	921
	Verapamil hydrochloride : 2.5 mg/ml Ampicillin sodium : 40 mg/ml	371
	Verapamil hydrochloride : 0.08 mg/ml Ampicillin sodium : 4 mg/ml	1057
	Verapamil hydrochloride : 2,5 mg/ml Argatroban : 1 mg/ml	1964

	Verapamil hydrochloride : 0.08 mg/ml Ascorbic acid : 1 mg/ml		1057	
	Verapamil hydrochloride : 0.08 mg/ml Atropine sulfate : 0.0008 mg/ml		1057	
	Verapamil hydrochloride : 1.25 mg/ml Bivalirudin : 5 mg/ml		1713	
	Verapamil hydrochloride : 2,5 mg/ml Bivalirudin : 5 mg/ml		1944	
	Verapamil hydrochloride : 0,08 mg/ml Bretylum tosilate : 2 mg/ml		706	
	Verapamil hydrochloride : 0.08 mg/ml Calcium chloride : 2 mg/ml		1057	
	Verapamil hydrochloride : 0,08 mg/ml Calcium gluconate : 2 mg/ml		706	
	Verapamil hydrochloride : 0.08 mg/ml Cefamandole nafate : 4 mg/ml		1057	
	Verapamil hydrochloride : 0.08 mg/ml Cefazolin sodium : 2 mg/ml		1057	
	Verapamil hydrochloride : 0.08 mg/ml Cefotaxime sodium : 4 mg/ml		1057	
	Verapamil hydrochloride : 0.08 mg/ml Cefoxitin sodium : 4 mg/ml		1057	
	Verapamil hydrochloride : 0.08 mg/ml Chloramphenicol sodium succinate : 2 mg/ml		1057	
	Verapamil hydrochloride : 2.5 mg/ml Ciprofloxacin lactate : 2 mg/ml		288	
	Verapamil hydrochloride : 0.08 mg/ml Clindamycin phosphate : 1.2 mg/ml		1057	
	Verapamil hydrochloride : 1 mg/ml Clonidine hydrochloride : 0.009 & 0.03 mg/ml		4130	
	Verapamil hydrochloride : 2,5 mg/ml Clonidine hydrochloride : 0,018 mg/ml		2018	
		Verapamil hydrochloride : 0.08 mg/ml Co-trimoxazole : 0.16/0.8 mg/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Dexamethasone sodium phosphate : 0.04 mg/ml		1057	
	Verapamil hydrochloride : 1.25 mg/ml Dexmedetomidine : 4 µg/ml		1712	
	Verapamil hydrochloride : 0.08 mg/ml Diazepam : 0.02 mg/ml		1057	
	Verapamil hydrochloride : 0,08 mg/ml Digoxin : 2 µg/ml		706	
	Verapamil hydrochloride Dimenhydrinate		2087	
	Verapamil hydrochloride : 2.5 mg/ml Dobutamine hydrochloride : 2 mg/ml		1041	
	Verapamil hydrochloride : 0.16 mg/ml Dobutamine hydrochloride : 0.25 mg/ml		1045	
		Verapamil hydrochloride : 0.08 mg/ml Dobutamine hydrochloride : 0.5 mg/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Dopamine hydrochloride : 0.4 mg/ml		1057	

		Verapamil hydrochloride : 0.08 mg/ml Epinephrine hydrochloride : 2 µg/ml		1057
		Verapamil hydrochloride Eptifibatide		3934
		Verapamil hydrochloride : 0.08 mg/ml Erythromycin lactobionate : 2 mg/ml		1057
		Verapamil hydrochloride : 0.1 mg/ml Famotidine : 0.2 mg/ml		398
		Verapamil hydrochloride : 1.25 mg/ml Fenoldopam mesylate : 80 µg/ml		1803
		Verapamil hydrochloride : 0.5 mg/ml Furosemide : 1 mg/ml		1232
		Verapamil hydrochloride : 1.25 mg/ml Hetastarch : 60 mg/ml		1721
		Verapamil hydrochloride : 0.08 mg/ml Human albumin : 25 mg/ml		1057
		Verapamil hydrochloride : 0.08 mg/ml		1057
		Verapamil hydrochloride		1100
		Verapamil hydrochloride : 0.08 mg/ml Furosemide : 0.2 mg/ml		1057
		Verapamil hydrochloride : 0.08 mg/ml Gentamicin sulfate : 0.16 mg/ml		1057
		Verapamil hydrochloride : 0.08 mg/ml Heparin sodium : 20 UI/ml		1057
		Verapamil hydrochloride : 2,5 mg/ml	<b>RL</b>	4603
		Verapamil hydrochloride : 0.08 mg/ml Hydralazine hydrochloride : 0.04 mg/ml		1057
		Verapamil hydrochloride : 0.08 mg/ml Hydrocortisone sodium succinate : 0.2 mg/ml		1057
		Verapamil hydrochloride : 0.08 mg/ml Hydromorphone hydrochloride : 0.016 mg/ml		1057
		Verapamil hydrochloride : 0,08 mg/ml Insulin : 0,2 UI/ml		706
		Verapamil hydrochloride : 1,25 mg/ml Insulin aspart : 1 UI/ml		1508
		Verapamil hydrochloride : 0.08 mg/ml Isoprenaline hydrochloride : 0.01 mg/ml		1057
		Verapamil hydrochloride : 2.5 mg/ml Lansoprazole : 0.55 mg/ml		1625
		Verapamil hydrochloride : 0,08 mg/ml Lidocaine hydrochloride : 2 mg/ml		706
		Verapamil hydrochloride : 2.5 mg/ml Linezolid : 2 mg/ml		1925
		Verapamil hydrochloride : 0.08 mg/ml Magnesium sulfate : 10 mg/ml		1057
		Verapamil hydrochloride : 0.08 mg/ml Mannitol : 0.025 mg/ml		1057
		Verapamil hydrochloride : 0.08 mg/ml Metaraminol : 0.02 mg/ml		1057
		Verapamil hydrochloride : 0.08 mg/ml Methylprednisolone sodium succinate : 0.25 mg/ml		1057

	Verapamil hydrochloride : 0.08 mg/ml Metoclopramide hydrochloride : 0.02 mg/ml		1057
	Verapamil hydrochloride : 1 & 1.25 mg/ml Milrinone lactate : 0.100 & 0.350 mg/ml		191
	Verapamil hydrochloride : 0.08 mg/ml Morphine sulfate : 0.03 mg/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Moxalactam : 4 mg/ml		1057
	Verapamil hydrochloride : 2.5 mg/ml N-acetylcysteine : 200 mg/ml		3766
	Verapamil hydrochloride : 0.08 mg/ml Nafcillin sodium : 4 mg/ml		1057
	Verapamil hydrochloride : 2.5 mg/ml Nafcillin sodium : 40 mg/ml		371
	Verapamil hydrochloride Nafcillin sodium		1099
	Verapamil hydrochloride Nafcillin sodium		1351
	Verapamil hydrochloride : 0.08 mg/ml Naloxone hydrochloride : 0.0008 mg/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Nitroglycerin : 0.1 mg/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Nitroprusside sodium : 0.1 mg/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Norepinephrine bitartrate : 0.008 mg/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Oxacillin sodium : 4 mg/ml		1057
	Verapamil hydrochloride : 2.5 mg/ml Oxacillin sodium : 40 mg/ml		371
	Verapamil hydrochloride : 1,25 mg/ml Oxaliplatin : 0,5 mg/ml		1662
	Verapamil hydrochloride : 0.08 mg/ml Oxytocin : 0.04 UI/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Pancuronium bromide : 0.008 mg/ml		1057
	Verapamil hydrochloride Pantoprazole sodium		2090
	Verapamil hydrochloride : 2.5 mg/ml Paracetamol : 10 mg/ml		4742
	Verapamil hydrochloride : 2.5 mg/ml Penicillin G potassium : 0.1 MUI/ml		371
	Verapamil hydrochloride : 0.08 mg/ml Penicillin G potassium : 0.01 MUI/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Penicillin G sodium : 0.01 MUI/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Pentobarbital sodium : 0.2 mg/ml		1057
	Verapamil hydrochloride : 2.5 mg/ml Pethidine hydrochloride : 10 mg/ml		62
	Verapamil hydrochloride : 0.08 mg/ml Pethidine hydrochloride : 0.15 mg/ml		1057

	Verapamil hydrochloride : 0.08 mg/ml Phenobarbital sodium : 0.26 mg/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Phentolamine mesylate : 0.01 mg/ml		1057
	Verapamil hydrochloride : 0,08 mg/ml Phenytoin sodium : 0,5 mg/ml		706
	Verapamil hydrochloride : 2.5 mg/ml Piperacillin sodium : 40 mg/ml		371
	Verapamil hydrochloride : 0.08 mg/ml Potassium chloride : 80 mEq/l		1057
	Verapamil hydrochloride : 0.08 mg/ml Potassium phosphate : 0.088 mmol/ml		1057
	Verapamil hydrochloride : 0,08 mg/ml Procainamide hydrochloride : 2 mg/ml		706
	Verapamil hydrochloride : 2.5 mg/ml Propofol : 10 mg/ml		300
		Verapamil hydrochloride : 2.5 mg/ml Propofol	660
	Verapamil hydrochloride : 0.08 mg/ml Propranolol hydrochloride : 0.004 mg/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Protamine hydrochloride : 0.1 UI/ml		1057
	Verapamil hydrochloride : 0,08 mg/ml Quinidine gluconate : 0,8 mg/ml		706
		Verapamil hydrochloride Sodium bicarbonate	 1100
	Verapamil hydrochloride : 0.08 mg/ml Sodium bicarbonate : 7.49 mg/ml		1057
		Verapamil hydrochloride Sugammadex	2328
	Verapamil hydrochloride : 0.1 & 0.4 mg/ml Theophylline : 0.4 & 4 mg/ml		372
	Verapamil hydrochloride : 0.08 mg/ml Tobramycin sulfate : 0.16 mg/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Vancomycin hydrochloride : 1 mg/ml		1057
	Verapamil hydrochloride : 0.08 mg/ml Vasopressin : 0.04 UI/ml		1057



## Voie d'administration





## Bibliographie

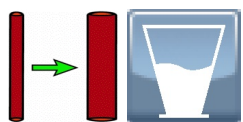
	Type	Source
62	Revue	Pugh CB, Pabis DJ, Rodriguez C. Visual compatibility of morphine sulfate and meperidine hydrochloride with other injectable drugs during simulated Y-site injection. Am J Hosp Pharm 1991 ; 48: 123-125.
191	Revue	Riley CM. Stability of milrinone and digoxin, furosemide, procainamide hydrochloride, propranolol hydrochloride, quinidine gluconate, or verapamil hydrochloride in 5% dextrose injection. Am J Hosp Pharm 1988 ; 45: 2079-2091.
242	Revue	Campbell S, Nolan PE, Bliss M, Wood R, Mayersohn M. Stability of amiodarone hydrochloride in admixtures with other injectable drugs. Am J Hosp Pharm 1986 ; 43: 917-921.
288	Revue	Cervenka P, Dejong DJ, Butler BL, Monzingo MD. Visual compatibility of injectable ciprofloxacin lactate with selected injectable drugs during simulated Y-site administration. Hosp Pharm 1992 ; 27: 957-958,961-962.
300	Revue	Trissel LA, Gilbert DL, Martinez JF. Compatibility of propofol injectable emulsion with selected drugs during simulated Y-site administration. Am J Health-Syst Pharm 1997 ; 54: 1287-1292.
364	Revue	Johnson CE, Lloyd CW, Mesaros JL, Rubley GJ. Compatibility of aminophylline and verapamil in intravenous admixtures. Am J Hosp Pharm 1989 ; 46: 97-100.
371	Revue	Thompson DF, Stiles ML, Allen LV, Tu YH. Compatibility of verapamil hydrochloride with penicillin admixtures during simulated Y-site injection. Am J Hosp Pharm 1988 ; 45: 142-145.
372	Revue	Johnson CE, Lloyd CW, Aviles AI, Rybarz KL. Compatibility of premixed theophylline and verapamil intravenous admixtures. Am J Hosp Pharm 1988 ; 45: 609-612.
398	Revue	Jay GT, Fanikos J, Souney PF. Visual compatibility of famotidine with commonly used critical-care medications during simulated Y-site injection. Am J Hosp Pharm 1988 ; 45: 1556-1557.
660	Revue	Michaels MR, Stauffer GL, Haas DP. Propofol compatibility with other intravenous drug products - Two new methods of evaluating IV emulsion compatibility. Ann Pharmacotherapy 1996 ; 30: 228-232.
706	Revue	Cutie MR. Compatibility of verapamil hydrochloride with other additives. Am J Hosp Pharm 1981 ; 38: 231.
921	Revue	Trissel LA, Gilbert DL, Martinez JF. Incompatibility and compatibility of amphotericin B cholesteryl sulfate complex with selected other drugs during simulated Y-site administration. Hosp Pharm 1998 ; 33: 284-292.
1041	Revue	Hasegawa GR, Eder JF. Visual compatibility of dobutamine hydrochloride with other injectable drugs. Am J Hosp Pharm 1984 ; 41: 949-951.
1045	Revue	Das Gupta V, Stewart KR. Stability of dobutamine hydrochloride and verapamil hydrochloride in 0.9% sodium chloride and 5 % dextrose injections. Am J Hosp Pharm 1984 ; 41: 686-689.

1057	Revue	Cutie MR. Compatibility of verapamil hydrochloride injection with commonly used additives. Am J Hosp Pharm 1983 ; 40: 1205-1207.
1098	Revue	Cutie MR. Verapamil precipitation. Ann Intern Med 1983 ; 98: 672.
1099	Revue	Tucker R, Gentile JF. Precipitation of verapamil in an intravenous line. Ann Intern Med 1984 ; 101: 880.
1100	Revue	Bar-Or D, Kulig K, Marx JA, Rosen P. Precipitation of verapamil. Ann Intern Med 1982 ; 97: 619.
1232	Revue	Beatson C, Taylor A. A physical compatibility study of furosemide & flucloxacillin injections. Br J Pharm Pract 1987 ; 9: 223-226, 236.
1351	Revue	Tucker R, Gentle JF. Precipitation of verapamil with nafcillin. Am J Hosp Pharm 1984 ; 41: 2588.
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.
1662	Revue	Trissel LA, Saenz CA, Ingram DS, Ogundele AB. Compatibility screening of oxaliplatin during simulated Y-site administration with other drugs. J Oncol Pharm Practice 2002 ; 8: 33-37.
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.
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.
1925	Revue	Trissel LA , Williams KY, Gilbert DL. Compatibility screening of linezolid injection during simulated Y-site administration with other drugs and infusion solutions. J Am Pharm Assoc 2000 ; 40: 515-519.
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.
2018	Revue	Veggeland T. Visual compatibility of clonidine with selected drugs. Am J Health-Syst Pharm 2005 ; 62: 1968-1969.

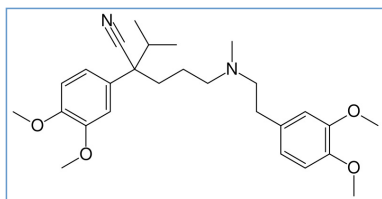


2087	Revue	Ferreira E, Forest JM, Hildgen P. Compatibility of dimenhydrinate injectable by Y administration. Pharmactuel 2004 ; 37: 17-20.
2090	Revue	Pere H, Chasse V, Forest JM, Hildgen P. Compatibility of injectable pantoprazole in Y-site administration. Pharmactuel 2004 ; 37: 193-196.
2328	Laboratoire	Sugammadex (Bridion®) – Résumé des caractéristiques du produits Organon 2009
3766	Revue	Forrest J.M, Hildgen P. Compatibilité de l'acétylcystéine injectable lors de son administration en Y avec d'autres médicaments usuels Pharmactuel 2014 ; 47, 3 : 161-165.
3824	Revue	Boudi S, Roy H, Forest JM, Leclair G. Compatibilité physique de l'association amoxicilline-acide clavulanique en injection avec plusieurs autres médicaments lors d'une administration en Y. Pharmactuel 2023 2023;56,3:91-98
3934	Laboratoire	Eptifibatide (Integrilin®) - Résumé des caractéristiques du produit GlaxoSmithKline Laboratoire 2016
4130	Revue	Koller AK, Krebs S, Dörje F. Untersuchungen zur Kompatibilität von Clonidin mit häufig eingesetzten Arzneimittel auf Intensivstationen. Pharmaceutics 2021 , 13, 21.
4603	Revue	Vallée M, Barthélémy I, Friciu M, Pelletier E, Forest J.M, Benoit F, Leclair G. Compatibility of Lactated Ringer's Injection With 94 Selected Intravenous Drugs During Simulated Y-site Administration. Hosp Pharm 2021 ; 56, 4: 228-234.
4742	Revue	Macoviciuc M, Nguyen C, Forest J-M, Leclair G. Compatibilité physique de l'acétaminophène injectable avec 102 autres médicaments lors d'une administration en Y. Pharmactuel 2022 ; 55, 4: 247-255.

# Stabilis



## Verapamil hydrochloride



### Stabilité des préparations

2500 mg Verapamil Hydrochloride		SyrSpend SF® >>50ml	2-8 °C	?	60			3209
2500 mg Verapamil Hydrochloride		OraPlus® / OraSweet SF® (1:1) >>50 mL	2-8 °C	?	60			3209
6000 mg @=? (Schein Pharmaceutical)		OraPlus® / OraSweet® (1:1) >> 120 mL	2-8 °C		60			2435
6000 mg @=? (Schein Pharmaceutical)		OraPlus® / OraSweet SF® (1:1) >> 120 mL	2-8 °C		60			2435
6000 mg @=? (Schein Pharmaceutical)		Sirop cerise / sirop simple (1:4) >> 120 mL	2-8 °C		60			2435
6000 mg @=? (Schein Pharmaceutical)		OraPlus® / OraSweet® (1:1) >> 120 mL	2-8 °C		60			2435
6000 mg @=? (Schein Pharmaceutical)		OraPlus® / OraSweet SF® (1:1) >> 120 mL	2-8 °C		60			2435
6000 mg @=? (Schein Pharmaceutical)		Sirop cerise / sirop simple (1:4) >> 120 mL	2-8 °C		60			2435



### Bibliographie

	Type	Source
2435	Revue	Allen LV, Jr, Erickson MA, Stability of labetalol hydrochloride, metoprolol tartrate, verapamil hydrochloride, and spironolactone with hydrochlorothiazide in extemporaneously compounded oral liquids Am J Health-Syst Pharm 1996 ; 53: 2304-2309.
3209	Revue	Voudrie Mark A, Alexander Bridget, Allen D Brett. Stability of Verapamil Hydrochloride in SyrSpend SF Compared to Sorbitol Containing Syrup and Suspending Vehicles. Int J Pharm Compound 2011 ; 15, 3: 255-258.



# Dictionnaire

Antiarythmique	Injectable
Noms commerciaux	Stabilité des solutions
Contenant	Molécule
Concentration	Température
Conservation	Durée de stabilité
Biosimilaire	Données conflictuelles
Bibliographie	Verre
NaCl 0,9% ou glucose 5%	A l'abri de la lumière
Jour	Polyvinyl chlorure
Stabilité en mélange	Solvant
Molécule	Glucose 5%
Lumière	Heure
Facteur influençant la stabilité	NaHCO3
Provoque	Dégradation
Précipitation	Compatibilités
Compatible	Précipitation immédiate
Incompatible	Turbidité immédiate
Chlorure de sodium 0,9%	Précipitation en 8 heures
Changement de couleur en 24 heures	Solvant spécifique
Turbidité en 8 heures	<b>RL</b> Ringer lactate
Changement de couleur	Aucun
Instabilité de l'émulsion à 4 heures	Chlorure de sodium 0,45%
Incompatibilité non précisée	Voie d'administration
Intraveineuse	Perfusion intraveineuse
Bibliographie	Vasodilatateur
Solution buvable	Stabilité des préparations
Origine	Excipient
Flacon plastique	Poudre
Non précisée	Comprimés
Dictionnaire	