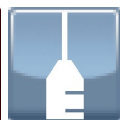
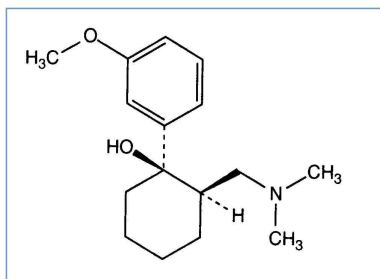


Stabilis



Tramadol hydrochloride



Noms commerciaux

Acugesic	Malaisie
Adolonta	Espagne
Amadol	Egypte
Analgon	Pérou
Anangor	Brésil
Autrestol	Mexique
Contramal	Belgique, France, Hongrie, Italie, Turquie
Dalarest	Mexique
Dolotramine	Suisse
Dolzam	Belgique
Eufindol	Chili
Fortradol	Italie
Fraxidol	Italie
Lafedol	Argentine
Liochta	Mexique
Lumidol	Croatie
Mabron	Thaïlande
Megadol	Chili, Mexique
Nobligan	Danemark, Mexique, Suède
Paxilfar	Portugal
Poltram	Pologne
Prontalgin	Italie
Sylador	Brésil
Tadol	Slovénie
Topalgic	France
Trabilin	Arabie Saoudite
Tradolan	Autriche, Danemark, Suède
Tradonal	Belgique, Thaïlande
Tramabene	Autriche
Tramadoc	Allemagne
Tramadolor	Autriche
Tramadura	Allemagne
Tramagetic	Pays bas
Tramal	Afrique du sud, Allemagne, Autriche, Brésil, Croatie, Finlande, Pays bas, Pologne, Portugal, Slovénie, Suisse, Thaïlande
Tramastad	Autriche
Tramundin	Allemagne
Zamadol	Grande Bretagne
Zamudol	France



Stabilité des solutions

		0,89 mg/ml	20-24°C		24			3075
PVC		0,5 & 4 mg/ml	2-8°C		14			1690
PVC		0,5 & 4 mg/ml	25°C		7			1690
PVC		0,5 & 4 mg/ml	40°C		7			1690
PVC		1 mg/ml	-20°C		120			1892
PVC		1 mg/ml	4°C		60			1892



Stabilité en mélange

		0,97 mg/ml	20-24°C		Ketoprofene : 0,95 mg/ml	24		3075
		0,94 mg/ml	20-24°C		Paracetamol : 9,44 mg/ml	24		3075
		0,96 mg/ml	20-24°C		Paracetamol : 10,04 mg/ml Ketoprofene : 0,96 mg/ml	24		3075
PVC		20 mg/ml	25°C		Ketorolac tromethamine : 2 mg/ml	7		3159
PE		1 mg/ml	2-8°C		Droperidol : 0,025 mg/ml	32		2814

PE		0,82 mg/ml	2-8°C	?	Alizapride hydrochloride : 0,41 mg/ml	32		3115
PE		1 mg/ml	4°C		Metoclopramide hydrochloride : 0,1 mg/ml	32		3082
PP		8,33 >> 33,33 mg/ml	25°C		Dexamethasone sodium phosphate : 0,33 >> 3,33 mg/ml	32		2211
PP		8,33 mg/ml	25°C		Haloperidol lactate : 0,208 mg/ml	15		2024
PP		33,33 mg/ml	25°C		Haloperidol lactate : 0,625 mg/ml	15		2024
PP		8,33 >> 33,3 mg/ml	25°C		Scopolamine N-butyl bromide : 3,33 >> 6,67 mg/ml	15		2176
PP		8,33 mg/ml	4°C		Haloperidol lactate : 0,208 mg/ml	15		2024
PP		33,33 mg/ml	4°C		Haloperidol lactate : 0,625 mg/ml	15		2024
PP		8,33 >> 33,3 mg/ml	4°C		Scopolamine N-butyl bromide : 3,33 >> 6,67 mg/ml	15		2176
PP		33,3 mg/ml	25°C		Ketorolac tromethamine : 10 mg/ml	7		3159
POF		5 mg/ml	- 20°C		Dexketoprofen : 2,5 mg/ml Haloperidol lactate : 0,05 mg/ml	30		3297
POF		5 mg/ml	25°C		Dexketoprofen : 2,5 mg/ml Haloperidol lactate : 0,05 mg/ml	30		3297
POF		5 mg/ml	4°C		Dexketoprofen : 2,5 mg/ml Haloperidol lactate : 0,05 mg/ml	30		3297
POF		4 mg/ml	25°C		Bupivacaine hydrochloride : 1,2 mg/ml	15		3296
POF		4 mg/ml	25°C		Ropivacain hydrochloride : 2 mg/ml	15		3296
POF		10 mg/ml	25°C	?	Ondansetron hydrochloride : 0,08 mg/ml	14		4116
POF		10 mg/ml	25°C	?	Granisetron hydrochloride : 0,06 mg/ml	14		4116
POF		10 mg/ml	25°C	?	Tropisetron hydrochloride : 0,05 mg/ml	14		4116
POF		4 mg/ml	4°C		Bupivacaine hydrochloride : 1,2 mg/ml	15		3296
POF		4 mg/ml	4°C		Ropivacain hydrochloride : 2 mg/ml	15		3296
POF		10 mg/ml	4°C	?	Ondansetron hydrochloride : 0,08 mg/ml	14		4116
POF		10 mg/ml	4°C	?	Granisetron hydrochloride : 0,06 mg/ml	14		4116
POF		10 mg/ml	4°C	?	Tropisetron hydrochloride : 0,05 mg/ml	14		4116
?		8,8 >> 33,3 mg/ml	25°C		Scopolamine N-butyl bromide : 3,33 >> 6,67 mg/ml Haloperidol lactate : 0,208 >> 0,624 mg/ml	15		3132
























































Facteur influençant la stabilité





Compatibilités

				
		Tramadol hydrochloride : 0,4 mg/ml Aciclovir sodium : 5 mg/ml		2002
		Tramadol hydrochloride : 1 mg/ml Alizapride hydrochloride : 0,5 mg/ml		3115
		Tramadol hydrochloride : 0,4 mg/ml Ampicillin sodium - sulbactam sodium : 10/20 mg/ml		2002
		Tramadol hydrochloride : 0,4 mg/ml Clindamycin phosphate : 6 mg/ml		2002
		Tramadol hydrochloride : 8.33>>33.33 mg/ml Dexamethasone sodium phosphate : 0.33>>3.33 mg/ml		2211
		Tramadol hydrochloride : 11.18 & 33.3 mg/ml Dexamethasone sodium phosphate : 0.44 & 1.33 mg/ml		1971
		Tramadol hydrochloride Diazepam		3521
		Tramadol hydrochloride Diclofenac		3521
		Tramadol hydrochloride : 1 mg/ml Droperidol : 0,025 mg/ml		2814
		Tramadol hydrochloride : 10 mg/ml Granisetron hydrochloride : 0.06 mg/ml		4116
		Tramadol hydrochloride : 11.18 & 33.3 mg/ml Haloperidol lactate : 0.21 & 0.62 mg/ml		1971
		Tramadol hydrochloride : 8.33 >> 33.33 mg/ml Haloperidol lactate : 0.208 >> 0.625 mg/ml		2024
		Tramadol hydrochloride Indomethacin sodium trihydrate		3521
		Tramadol hydrochloride : 5 mg/ml Ketamine hydrochloride : 0.5 >> 2 mg/ml		365
		Tramadol hydrochloride : 20 mg/ml Ketorolac tromethamine : 2 mg/ml		3159
		Tramadol hydrochloride : 33.3 mg/ml Ketorolac tromethamine : 10 mg/ml		3159
		Tramadol hydrochloride : 0.4 mg/ml Lornoxicam : 0.4 mg/ml		4034
		Tramadol hydrochloride : 0,4 mg/ml Mannitol : 20 mg/ml		2002
		Tramadol hydrochloride : 1 mg/ml Metoclopramide hydrochloride : 0,1 mg/ml		3082
		Tramadol hydrochloride : 11.18 & 33.3 mg/ml Metoclopramide hydrochloride : 1.11 & 3.33 mg/ml		1971
		Tramadol hydrochloride Midazolam hydrochloride		3521
		Tramadol hydrochloride : 11.18 & 33.3 mg/ml Midazolam hydrochloride : 0.5 & 1.5 mg/ml		1971
		Tramadol hydrochloride : 6,3 mg/ml Nefopam : 0,16 mg/ml		4698
		Tramadol hydrochloride : 10 mg/ml Ondansetron hydrochloride : 0.08 mg/ml		4116

	Tramadol hydrochloride : 0,4 mg/ml Ondansetron hydrochloride : 0,016 mg/ml		2002
		Tramadol hydrochloride Piroxicam	3521
		Tramadol hydrochloride : 0,5 mg/ml Posaconazole : 1,2 mg/ml	4521
	Tramadol hydrochloride : 0,4 mg/ml Ranitidine hydrochloride : 0,5 mg/ml		2002
		Tramadol hydrochloride : 8.33 mg/ml Rifampicin : 6 mg/ml	2139
	Tramadol hydrochloride : 11.18 & 33.3 mg/ml Scopolamine N-butyl bromide : 1.68 & 5 mg/ml		1971
	Tramadol hydrochloride : 8,33>>33,3 mg/ml Scopolamine N-butyl bromide : 3,33>>6,67 mg/ml		2176
	Tramadol hydrochloride : 50 mg/ml Sugammadex : 100 mg/ml		3372
	Tramadol hydrochloride : 50 mg/ml Temocilline : 83.33 mg/ml		2231
	Tramadol hydrochloride : 10 mg/ml Tropisetron hydrochloride : 0.05 mg/ml		4116



Voie d'administration



Bibliographie

	Type	Source
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1690	Revue	Müller H-J, Berg J. Stabilitätsstudie zu tramadolhydrochlorid im PVC-infusionsbeutel. Krankenhauspharmazie 1997 ; 18: 75-79.
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1971	Revue	Azuara ML, Sanchez Y, Reyes R, Barcia E. Physical compatibility and in vivo evaluation of drug mixtures for subcutaneous infusion to cancer patients in palliative care. Support Care Cancer 2001
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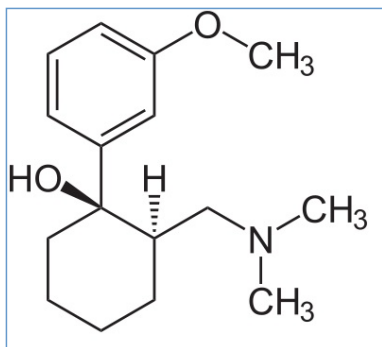
2139	Revue	Serrurier C, Chenot ED, Vigneron J, May I, Demor? B. Assessment of injectable drug's administration in two intensive care units and determination of potential physico-chemical incompatibilities. EJHP Science 2006 ; 12,5: 96-99.
2176	Revue	Barcia E, Martin A, Azuara ML, Sanchez Y, Negro S. Tramadol and hyoscine N-butyl bromide combined in infusion solutions: compatibility and stability. Support Care Cancer 2007 ; 15: 57-62.
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3075	Revue	Balayssac D, Badaroux L, Rodier C, Sautou-Miranda V, Bazin JE, Chopineau J. Compatibility and stability of parenteral analgesic admixtures for multimodal analgesia EJHP Science 2009 ; 15, 4: 78-82.
3082	Revue	Athanasopoulos A, Hecq JD, Vanbeckbergen D, Jamart J, Galanti L. Long-term stability of tramadol chlorhydrate and metoclopramide hydrochloride in dextrose 5% polyolefin bag at 4°C. J Oncol Pharm Practice 2009 ; 15: 195-200.
3115	Revue	Athanasopoulos A, Hecq JD, Vanbeckbergen D, Jamart J, Galanti L. Long term stability of the hydrochloride of tramadol and alizapride in dextrose 5% polyolefin bags at 5 +/- 3°C. Ann Pharm Fr 2010 ; 68: 157-162.
3132	Revue	Negro S, Martin A, Azuara L, Sanchez Y, Barcia E. Compatibility and stability of ternary admixtures of tramadol, haloperidol, and hyoscine. J Palliat Med 2010 ; 13, 3: 273-277.
3159	Revue	Lin, T.-F., Lin, F.-S., Chou, W.-H., Yeh, Y.-C., Lin, C.-P., Fan, S.-Z., Sun, W.-Z. Compatibility and stability of binary mixtures of ketorolac tromethamine and tramadol hydrochloride injection concentrate and diluted infusion solution. Acta Anaesthesiol Taiwan 2010 ; 48, 3 : 117-121.
3296	Revue	Salmeron-Garcia A, Navas N, Martin A, Roman E, Cabeza J, Capitan-Vallvey L.F Determination of Tramadol, Metamizole, Ropivacaine, and Bupivacaine in Analgesic Mixture Samples by HPLC with DAD Detection. J Chromatographic Sci 2009 ; 47: 1-7.
3297	Revue	Salmeron-Garcia A, Lopez-Lopez E, Roma E, Cabeza J, Navas N, Capitan-Vallvey L.F. Development of an LC-DAD Method for Analysis of Dexketoprofen, Tramadol, and Haloperidol. Study of the Stability of Mixtures Used for Patient-Controlled Analgesia. Chromatographia 2008 ; 68, 9-10: 767-772.
3372	Revue	Hanci V, Ali Kiraz H, Ömür D, Ekin S, Uyan B, Yurtlu B.S. Precipitation in Gallipoli: Sugammadex / Amiodarone & Sugammadex / Dobutamine & Sugammadex / Protamine. Rev Bras Anesthesiol 2013 ; 63, 1: 163-166.
3521	Laboratoire	Tramadol® - Summary of Product Characteristics. Beacon Pharmaceuticals 2012
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4116	Revue	Chen F, Zhu J, Li B, Yuan F, Wang K. Stability of tramadol with three 5-HT3 receptor antagonists in polyolefin bags for patient-controlled delivery systems. Drug Design Dev Ther 2016 ;10:1869-1875
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Stabilis



Tramadol hydrochloride



Stabilité des préparations

		300 mg Tramadol®	OraPlus® 30 ml Sirop de fraise >> 30 ml	23-25°C	?	90			2406
		300 mg Tramadol®	OraPlus® 30 ml Orasweet SF® >> 30 ml	23-25°C	?	90			2406
		300 mg Ultram®	OraPlus® 30ml Sirop de fraise 30ml	3-5°C		90			2387
		300 mg Ultram®	OraPlus® 30ml Orasweet SF® 30ml	3-5°C		90			2387
		300 mg Tramadol®	OraPlus® 30 ml Sirop de fraise >> 30 ml	3-5°C	?	90			2406
		300 mg Tramadol®	OraPlus® 30 ml Orasweet SF® >> 30 ml	3-5°C	?	90			2406



Stabilité en mélange

	OraPlus® / sirop de fraise (1:1)	60 ml 23-25°C		Paracetamol : Comprimés Ultracet® 3900 mg	90	2407
	OraPlus® / OraSweet SF® (1:1)	60 ml 23-25°C		Paracetamol : Comprimés Ultracet® 3900 mg	90	2407
	OraPlus® / sirop de fraise (1:1)	60 ml 3-5°C		Paracetamol : Comprimés Ultracet® 3900 mg	90	2407
	OraPlus® / OraSweet SF® (1:1)	60 ml 3-5°C		Paracetamol : Comprimés Ultracet® 3900 mg	90	2407



Bibliographie

	Type	Source
2387	Revue	Wagner DS, Johnson CE, Cichon-Hensley BK, DeLoach SL. Stability of oral liquid preparations of tramadol in strawberry syrup and a sugar-free vehicle Am J Health-Syst Pharm 2003 ; 60: 1268-1270.
2406	Revue	Wagner DS, Johnson CE, Cichon-Hensley BK, DeLoach SL. Stability of oral liquid preparations of tramadol in strawberry syrup and a sugar-free vehicle Am J Health-Syst Pharm 2003 ; 60: 1268-1270
2407	Revue	Johnson CE, Wagner DS, DeLoach SL, Cichon-Hensley BK. Stability of tramadol hydrochloride--acetaminophen (Ultracet) in strawberry syrup and in a sugar-free vehicle Am J Health-Syst Pharm 2004 ; 61: 54-57.



Dictionnaire

 Antalgique	 Injectable
 Noms commerciaux	 Stabilité des solutions
 Contenant	 Molécule
 Concentration	 Température
 Conservation	 Durée de stabilité
 Biosimilaire	 Données conflictuelles
 Bibliographie	 Verre
 Chlorure de sodium 0,9%	 Lumière
 Heure	 Polyvinyl chlorure
 NaCl 0,9% ou glucose 5%	 A l'abri de la lumière
 Jour	 Avec ou sans lumière
 Glucose 5%	 Non précisée
 Stabilité en mélange	 Solvant
 Molécule	 Aucun
 Polyéthylène	 Polypropylène
 Polyolefine	 Non précisé
 Facteur influençant la stabilité	 Provoque
 Dégradation	 Compatibilités
 Précipitation en 1 heure	 Incompatible
 Compatible	 Précipitation en 2 heures
 Précipitation immédiate	 Turbidité immédiate
 Eau pour préparation injectable	 Voie d'administration
 Intraveineuse	 Perfusion intraveineuse
 Intramusculaire	 Sous cutanée
 Perfusion SC continue	 Bibliographie
 Solution buvable	 Stabilité des préparations
 Origine	 Excipient
 Flacon plastique	 Comprimés
 Dictionnaire	