

TABLES

Table 1. Nanocrystalline-based products approved by the FDA [16,23].

Trade name	Company	Active substance	Indication	Particle size reduction method	Route	Dosage form	Year
Avinza®	King Pharma	Morphine sulfate	Pain medication	WMM	Oral	Capsule	2002
Azopt®	Alcon	Brinzolamide	Ocular hypertension	WMM	Ocular	Suspension	1998
Cesamet®	Lilly	Nabilone	Antiemetic	Precipitation	Oral	Capsule	2005
Emend®	Merck	Aprepitant	Antiemetic	WMM	Oral	Capsule	2003
Focalin XR®	Novartis	Dexmethylphenidate HCl	ADHD	WMM	Oral	Capsule	2001
Gris-Peg®	Novartis	Griseofulvin	Antifungal	Precipitation	Oral	Tablet	1982
Herbesser®	Mitsubishi	Diltiazem	Hypertension	WMM	Oral	Tablet	2002
Invega Sustenna®	Johnson & Johnson	Paliperidone palmitate	Antipsychotic	WMM	Intramuscular	Suspension in prefilled syringe	2009

Megace ES®	Par Pharmaceutical	Megestrol acetate	Appetite stimulant	WMM	Oral	Suspension	2005
Naprelan®	Wyeth	Naproxen sodium	NSAID	WMM	Oral	Tablet	2006
Rapamune®	Wyeth	Sirolimus (rapamacycin)	Immunosuppressant	WMM	Oral	Suspension, Tablet	2000
Ritalin LA®	Novartis	Methylphenidate HCl	ADHD	WMM	Oral	Capsule	2002
Theodur®	Mitsubishi Tanabe Pharma	Theophylline	Asthma, COPD	WMM	Oral	Tablet, Capsule	2008
Tricor®	Abbott	Fenofibrate	Hypercholesterolemia	WMM	Oral	Tablet	2004
Triglide®	SkyePharma	Fenofibrate	Hypercholesterolemia	HPH	Oral	Tablet	2005
Verelan PM®	Schwarz Pharma	Verapamil HCl	Hypertension	WMM	Oral	Capsule	1998
Zanaflex®	Acorda	TizanidineHCl	Muscle relaxant	WMM	Oral	Capsule	2002

WMM: wet media milling, ADHD: attention deficit hyperactivity syndrome, NSAID: non-steroidal anti-inflammatory drug, COPD: chronic obstructive pulmonary disease, HPH: high pressure homogenization.

