

Pharmaceuticals

Some of the most important pharmaceuticals produced by the world's leading drug firms are derived from hydrazine. Hydrazine is a very reactive, difunctional molecule, and therefore capable of entering into reactions leading to many types of biologically active compounds. Some of the ring systems based on hydrazine and frequently found in pharmaceuticals include Triazine, Pyridazine, Triazole, Thiadiazole, and Pyrazole.

The following list of hydrazine-derived pharmaceuticals was obtained from the book Pharmazeutische Wirkstoffe (Pharmaceutical Active Materials) was published in 1982 and its 1987 supplement.

Drug (Generic)	Hydrazine Derivative	Company	Country
Acetazolamide	Thiosemicarbazide	Lederle	Germany
		Lederle	USA
		Santen, Sawai, Konto, Lederle	Japan
		Lederle	UK
Allopurinol	Hydrazine	Desitin, Fresenius, Henning, Boeringer, Wellcome	Germany
		Wellcome	France
		Burrows-Wellcome	UK
		Ohta, Kohjin, Teisan, Mitsui, Wellcome-Tanabe	Japan
		Burrough Wellcome	USA
Ambazon	Aminoguanidine	Bayer	Germany, France, UK, Japan

Benserazide	Hydrazine	Roche	Germany, GB, France
Betazol	Hydrazine	Lilly	Germany, GB, USA
		Shionogi	Japan
Cefazolin	Thiadiazole	Lilly, Boehringer	Germany
		Lilly	UK
		Lilly, Smith Kline French	USA
Dihydralazin	Hydrazine	Ciba	Germany, France
Estazolam	Hydrazine	Takeda	Japan
Flurazepam	Hydrazine	Roche	Germany, UK, Japan, USA
Flurazolidon	Hydroxyethylhydrazine	Observal	France
		Eaton	UK, USA
		Fujita, Yamanouchi, Hokuriku	Japan

Guanoclor	Hydrazine	Pfizer	UK, USA
Hydralazin	Hydrazine	Ciba	GB, Japan, USA
Isocarboxazide	Hydrazine	Roche	France, UK, USA
		Takeda	Japan
Isoniazide	Hydrazine	See separate memo for	isoniazide
Methazolamid	Thiadiazole	Theraplix	France
		Lederle	Japan, USA
Mitopodozide	Hydrazine	Sandoz	Germany
Nifuratel	Hydrazine	ICN	Germany
		Fumouze	France
		Calmic	UK
Nifuroxazide	Hydrazine	Robert et Carriere	France
Nifurprazine	Pyridazine	Boehringer	Germany
Nifurtimox	Hydrazine	Bayer	Germany
Nitrofuraf	Semicarbazide HCl	Boehringer	Germany
		Eaton	UK, USA
		Dainippon	Japan

Nitrofurantoin	Hydrazine	Heyden, Boehringer, Promonta, Sanorania	Germany
		Oberval	France
		Eaton, Berk	UK
		Yamanouchi, Tanabe	Japan
		Lederle, Eaton, Parke-Davis, MCKesson	USA
Phenelzin	Hydrazine	Warner	UK, USA
Piperylon	Benzoic hydrazide	Sandoz	Germany
Procarbazin	MMH derivative	Roche	Germany, France, UK, Japan, USA
Sulfachlorpyridazin	Pyridazine	Ciba, Riker, Mallickrodt	USA
Sulfaethidol	Thiadiazole	Boehringer	Germany
Sulfamethizol	Thiadiazole	Debat	Japan
		Warner	UK
		Nichiiko, Chugai, Kanto, Mohan, Maruishi	Japan
		Ayerst	USA

Alfentanil	Sodium azide	Janssen	Germany, UK, USA
Azelastin	Hydrazine	Eisei	Japan
Azintamid	Hydrazine	Promota	Germany
Azosemid	Sodium azide	Boehringer	Germany
Broperamol	Sodium azide	Miles	
Brotizolam	Hydrazine	Boehringer	Germany
Ceftriaxon	MMH	Roche	Germany, Italy
Emorfazon	Hydrazine	Morishita	Japan
Endralazin	Hydrazine	Sandoz	Germany
Etizolan	Hydrazine	Yoshitomi	Japan
Fluazacort	SCHCl	Lepetit	Italy
Hydrocortisone	SCHCl	26 Producers	Worldwide
Lozaglic Acid	Hydrazine	Germany	Byk Gulden
Muzolimin	Hydrazine	Zyma/Bayer	Germany, Italy
Pildralazin	Hydrazine	Atensil	Italy
Primaquin	Hydrazine	Germany	Bayer
		ICI	UK
		Winthrop-Breon	USA
Terconazol	1,2,4-Triazole	Cilag	Germany
Zorubicin	Hydrazine	Rhone-Poulenc	Germany, France