

Listing and Definition of Narrow Therapeutic Index or Range (NTI) Drugs

NOTE: This was a sample list of drugs published by the FDA in 1988. Refer to Official Definition or Contact Specific Drug Manufacturer for Accurate Determination if a drug has a Narrow Therapeutic Index or Range.

Aminophylline	Carbamazepine	Clindamycin	Clonidine
Digoxin*	Disopyramide	Dyphylline	Guanethidine
Isoetharine mesylate		Isoproterenol	Levoxyine*
Lithium Carbonate		Metaproterenol	Minoxidil
Oxytriphylline		Phenytoin	Prazosin
Primidone		Procainamide	Quinidine gluconate
Theophylline		Valproic Acid	
Valproate sodium syrup		Warfarin sodium	

*Also Pre 1938 Drug

OFFICIAL DEFINITION: Under Section 320.33(c) of Code of Federal Register 21, the US FDA defines a drug product as having a narrow therapeutic ratio as follows:

- a. There is less than a 2-fold difference in median lethal dose and median Effective dose values, or
- b. There is less than 2-fold difference in the minimum toxic concentrations and Minimum effective concentrations in the blood, and
- c. Safe and Effective use of the drug products require careful titration and Patient monitoring.