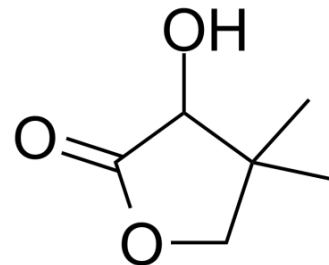


## DL-Pantolactone

Cat. No.:	HY-W053519		
CAS No.:	79-50-5		
Molecular Formula:	C <sub>6</sub> H <sub>10</sub> O <sub>3</sub>		
Molecular Weight:	130.14		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

DL-Pantolactone can be hydrolyzed to Pantoic acid by the lactonohydrolase of *Fusarium oxysporum*. DL-Pantolactone also can be used in the preparation of 3,5-dinitrobenzoyl-DL-pantolactone<sup>[1][2]</sup>.

### REFERENCES

- [1]. Goodhue CT, et, al. The bacterial degradation of pantothenic acid. 3. Enzymatic formation of aldopantoic acid. *Biochemistry*. 1966 Feb;5(2):403-8.
- [2]. Shimizu S, et, al. Optical resolution of pantolactone by a novel fungal enzyme, lactonohydrolase. *Ann N Y Acad Sci*. 1996 Oct 12;799:650-8.

**Caution: Product has not been fully validated for medical applications. For research use only.**