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## Product Information

Product ID P0278

CAS No. 149-29-1

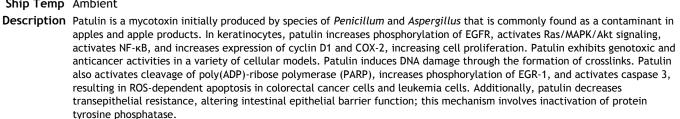
Chemical Name 4-Hydroxy-4H-furo[3,2-c]pyran-2(6H)-one

Synonym Clavacin, clavatin, penicidin

Formula C7H6O4 Formula Wt. 154.12 Melting Point 109-111°C Purity ≥98% Solubility acetonitrile, ethanol, acetone, ethyl acetate, also soluble in water

Store Temp 4°C

Ship Temp Ambient



References Alam S, Pal A, Kumar R, et al. EGFR-mediated Akt and MAPKs signal pathways play a crucial role in patulin-induced cell proliferation in primary murine keratinocytes via modulation of Cyclin D1 and COX-2 expression. Mol Carcinog. 2013 Jun 29. [Epub ahead of print]. PMID: 23813870.

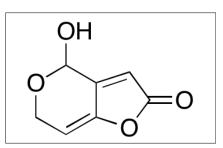
Glaser N, Stopper H. Patulin: Mechanism of genotoxicity. Food Chem Toxicol. 2012 May;50(5):1796-801. PMID: 22425938.

Kwon O, Soung NK, Thimmegowda NR, et al. Patulin induces colorectal cancer cells apoptosis through EGR-1 dependent ATF3 up-regulation. Cell Signal. 2012 Apr;24(4):943-50. PMID: 22230687.

Wu TS, Liao YC, Yu FY, et al. Mechanism of patulin-induced apoptosis in human leukemia cells (HL-60). Toxicol Lett. 2008 Dec 15;183(1-3):105-11. PMID: 18992795.

Mahfoud R, Maresca M, Garmy N, et al. The mycotoxin patulin alters the barrier function of the intestinal epithelium: mechanism of action of the toxin and protective effects of glutathione. Toxicol Appl Pharmacol. 2002 Jun 15;181(3):209-18. PMID: 12079430.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.



## Bulk quanitites available upon request

Product ID	Size
P0278	1 mg
P0278	5 mg
P0278	10 mg