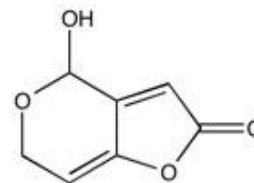


Patulin, Oxidative- and ER stress inducer

Catalog	Unit
TBI2097 - 1MG	1 mg
TBI2097 - 5MG	5 mg

Product Details

Formal Name: 4-Hydroxy-4H-furo[3,2-c]pyran-2(6H)-one
Alternate Names: Clavacin, Mycoin, Penicidin, Terinin, NSC8120
Molecular Formula: C₇H₆O₄
Formula Weight: 154.12
CAS Number: 149-29-1
Purity: 98%
Formulation: Powder
Solubility: Soluble in DMSO (up to 10 mg/ml) or in Ethanol (up to 10 mg/ml)
Storage: -20°C
Stability: ≥ 2 years.



Applications

Oxidative- and ER stress inducer

Functions

Patulin (149-29-1) is a mycotoxin found in contaminated fruits. Increases ROS generation and oxidative stress in cells which is mediated by p53. Displays cytotoxic effects on a variety of cell lines. Causes damage to several organs including liver and kidney in laboratory animals. Triggers NRF2-mediated survival mechanisms in kidney cells. Induces apoptosis through a ROS-mediated ER stress pathway.

Application Procedures

First dissolved in DMSO (10 mg/ml) or ethanol (10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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