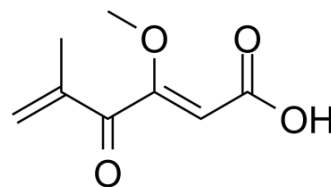


Penicillic acid

Cat. No.:	HY-N6777		
CAS No.:	90-65-3		
Molecular Formula:	C ₈ H ₁₀ O ₄		
Molecular Weight:	170.16		
Target:	Caspase; Bacterial; Apoptosis; Antibiotic		
Pathway:	Apoptosis; Anti-infection		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

Penicillic acid is a polyketide mycotoxin produced by several species of *Aspergillus* and *Penicillium*, which exhibits cytotoxicity in rat alveolar macrophages (AM) in vitro. Penicillic acid inhibits Fas ligand-induced apoptosis by blocking self-processing of caspase-8^{[1][2]}.

REFERENCES

[1]. Sorenson WG, et al. Toxicity of penicillic acid for rat alveolar macrophages in vitro. *Environ Res.* 1986 Dec;41(2):505-13.

[2]. Bando M, et al. The mycotoxin penicillic acid inhibits Fas ligand-induced apoptosis by blocking self-processing of caspase-8 in death-inducing signaling complex. *J Biol Chem.* 2003 Feb 21;278(8):5786-93.

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

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