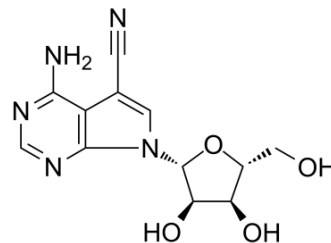


Toyocamycin

Cat. No.:	HY-103248		
CAS No.:	606-58-6		
Molecular Formula:	C ₁₂ H ₁₃ N ₅ O ₄		
Molecular Weight:	291.26		
Target:	IRE1		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description Toyocamycin (Vengicide) is an adenosine analog produced by Actinomycete, acts as an **XBP1** inhibitor, inhibits IRE1 α -induced ATP-dependent XBP1 mRNA cleavage, with an **IC₅₀** of 80 nM. Toyocamycin (Vengicide) induces apoptosis. Toyocamycin (Vengicide) shows no effect on IRE1 α auto-phosphorylation^[1].

IC₅₀ & Target IC50: 80 nM (XBP1 activation)^[1]

REFERENCES

[1]. Toyocamycin, et al. Identification of Toyocamycin, an agent cytotoxic for multiple myeloma cells, as a potent inhibitor of ER stress-induced XBP1 mRNA splicing. *Blood Cancer J.* 2012 Jul;2(7):e79.

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

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