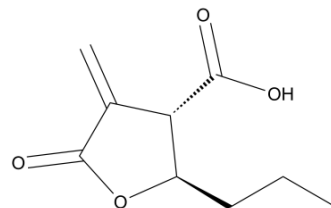


Butyrolactone 3

Cat. No.:	HY-129039		
CAS No.:	778649-18-6		
Molecular Formula:	C ₉ H ₁₂ O ₄		
Molecular Weight:	184.19		
Target:	Histone Acetyltransferase		
Pathway:	Epigenetics		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

Butyrolactone 3 is a specific small-molecule inhibitor of the histone acetyltransferase Gcn5 (IC₅₀=100 μM), which has a high affinity to the Gcn5 enzyme comparable to that of its natural substrate, histone H3. Butyrolactone 3 shows weak inhibitory on CBP (IC₅₀=0.5 mM)^[1]

IC₅₀ & Target

GCN5
100 μM (IC₅₀)

REFERENCES

[1]. Biel M, et al. Design, synthesis, and biological evaluation of a small-molecule inhibitor of the histone acetyltransferase Gcn5. *Angew Chem Int Ed Engl.* 2004 Jul 26;43(30):3974-6

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

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