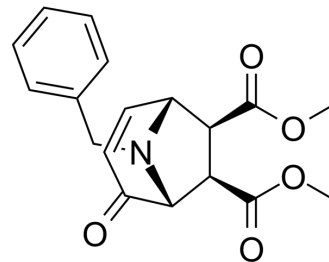


SD-1008

Cat. No.:	HY-107595
CAS No.:	960201-81-4
Molecular Formula:	C ₁₈ H ₁₉ NO ₅
Molecular Weight:	329.35
Target:	JAK; STAT; Apoptosis
Pathway:	Epigenetics; JAK/STAT Signaling; Stem Cell/Wnt; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SD-1008 is a potent JAK inhibitor. SD-1008 inhibits tyrosyl phosphorylation of STAT3, JAK2 and Src. SD-1008 also reduces STAT3-dependent luciferase activity. SD-1008 enhances apoptosis induced by Paclitaxel in ovarian cancer cells via directly blocking the JAK-STAT3 signaling pathway ^[1] .	
IC₅₀ & Target	JAK2	STAT3

REFERENCES

[1]. Duan Z, et al. 8-benzyl-4-oxo-8-azabicyclo[3.2.1]oct-2-ene-6,7-dicarboxylic acid (SD-1008), a novel janus kinase 2 inhibitor, increases chemotherapy sensitivity in human ovarian cancer cells. *Mol Pharmacol.* 2007;72(5):1137-1145.

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

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