

JAK family kinases inhibitor

Chemical Name	17-hydroxyjolkinolide B
Order Number	NT001
Size	1 mg
Price	\$100
Form	White powder solid
Primary Target	JAK family Kinases
Primary Target IC ₅₀	< 10 μM
Molar mass	346
Protect from Light	Yes
Packaged under inert gas	Yes
Purity	>95% by HPLC
Solubility	DMSO
Chemical formula	C ₂₀ H ₂₆ O ₅
CAS number	116360-82-8
Store and ship information	
Storage	-20°C
Ship	Ambient Temperature Only Standard Handling
Description	The naturally isolated active ingredient of the herbal medicine, <i>Euphorbia fischeriana</i> Steud., that acts as a cell permeable, selective and irreversible inhibitor of JAK family kinase activities (IC ₅₀ < 10 μM). Inhibits STATs-mediated gene transcription in cells by blocking the phosphorylation of STATs.
References	Y. Wang, et al. (2009) 17-Hydroxy-jolkinolide B inhibits STAT3 signaling by covalently crosslinking Janus kinases and induces apoptosis of human cancer cells <i>Cancer Res.</i> 69 (18):7302-7310.

