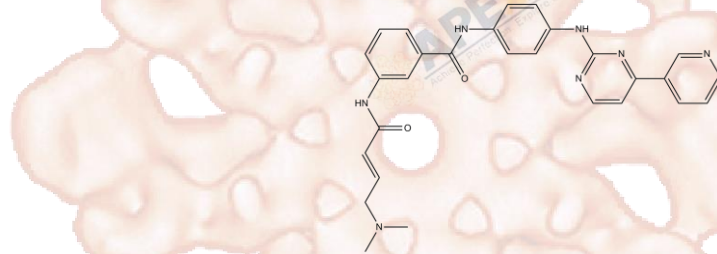


Product Data Sheet

JNK-IN-7

Cat. No.:	A3519
CAS No.:	1408064-71-0
Formula:	C28H27N7O2
M.Wt:	493.56
Synonyms:	JNK inhibitor
Target:	MAPK Signaling
Pathway:	JNK
Storage:	Store at -20°C



Solvent & Solubility

≥24.7 mg/mL in DMSO; insoluble in H₂O; insoluble in EtOH

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	Concentration			
	1 mM	2.0261 mL	10.1305 mL	20.2610 mL
	5 mM	0.4052 mL	2.0261 mL	4.0522 mL
	10 mM	0.2026 mL	1.0130 mL	2.0261 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

Selective JNK inhibitor

IC₅₀ & Target

In Vitro

Cell Viability Assay

Cell Line:	Human IL-1R cells and RAW264.7 macrophages
Preparation method:	Soluble in DMSO. General tips for obtaining a higher concentration: Please warm the tube at 37°C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
Reacting conditions:	0.1, 1 and 10 mM; 1 hr

	Applications:	In human IL-1R cells, JNK-IN-7 inhibited IL-1 β -stimulated phosphorylation of c-Jun and the activation of Pellino 1. In Pam3CSK4-stimulated RAW macrophages, JNK-IN-7 also inhibited the phosphorylation of c-Jun.
In Vivo	Animal experiment	
	Applications:	

Product Citations

See more customer validations on www.apexbt.com.

References

- [1]. Zhang T, Inesta-Vaquera F, Niepel M, et al. Discovery of potent and selective covalent inhibitors of JNK. Chem Biol, 2012, 19(1): 140-154.
- [2]. Goh ET, Arthur JS, Cheung PC, et al. Identification of the protein kinases that activate the E3 ubiquitin ligase Pellino 1 in the innate immune system. Biochem J, 2012, 441(1): 339-346.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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