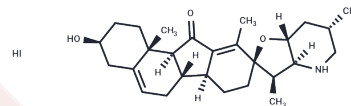


Jervine HCl

Chemical Properties

CAS No. :	60326-37-6
Formula:	C ₂₇ H ₄₀ INO ₃
Molecular Weight:	553.52
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Jervine is a naturally occurring steroidal alkaloid derived from the Veratrum plant species. Over the Hedgehog signaling pathway, Jervine effectively inhibits tumor growth using three human tumor xenograft models. Jervine has the potential to advance to treatment for different tumors.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8066 mL	9.0331 mL	18.0662 mL
5 mM	0.3613 mL	1.8066 mL	3.6132 mL
10 mM	0.1807 mL	0.9033 mL	1.8066 mL
50 mM	0.0361 mL	0.1807 mL	0.3613 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Bailly B, Richard CA, Sharma G, Wang L, Johansen L, Cao J, Pendharkar V, Sharma DC, Galloux M, Wang Y, Cui R, Zou G, Guillon P, von Itzstein M, Eléouët JF, Altmeyer R. Targeting human respiratory syncytial virus transcription anti-termination factor M2-1 to inhibit in vivo viral replication. *Sci Rep.* 2016 May 19;6:25806. doi: 10.1038/srep25806. PubMed PMID: 27194388; PubMed Central PMCID: PMC4872165.

Park J, Jeon YD, Kim HL, Kim DS, Han YH, Jung Y, Youn DH, Kang J, Yoon D, Jeong MY, Lee JH, Hong SH, Lee J, Um JY. Veratri Nigri Rhizoma et Radix (*Veratrum nigrum* L.) and Its Constituent Jervine Prevent Adipogenesis via Activation of the LKB1-AMPK α -ACC Axis In Vivo and In Vitro. *Evid Based Complement Alternat Med.* 2016;2016:8674397. doi: 10.1155/2016/8674397. Epub 2016 Apr 6. PubMed PMID: 27143989; PubMed Central PMCID: PMC4837256.

Li Q, Yang KX, Zhao YL, Qin XJ, Yang XW, Liu L, Liu YP, Luo XD. Potent anti-inflammatory and analgesic steroidal alkaloids from *Veratrum taliense*. *J Ethnopharmacol.* 2016 Feb 17;179:274-9. doi: 10.1016/j.jep.2015.12.059. Epub 2015 Dec 29. PubMed PMID: 26743225.

Wang L, Yao ZP, Li P, Chen SB, So PK, Shi ZQ, Hu B, Liu LF, Xin GZ. Global detection and semi-quantification of *Fritillaria* alkaloids in *Fritillariae Ussuriensis Bulbus* by a non-targeted multiple reaction monitoring approach. *J Sep Sci.* 2016 Jan;39(2):287-95. doi: 10.1002/jssc.201500880. Epub 2015 Dec 7. PubMed PMID: 26530331.

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