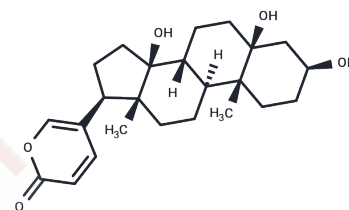


Telocinobufagin

Chemical Properties

CAS No. :	472-26-4
Formula:	C ₂₄ H ₃₄ O ₅
Molecular Weight:	402.52
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. Telocinobufagin (Telobufotoxin) is the major endogenous digitalis-like factor. 2. Telocinobufagin significantly decreases the bacterial burdens in the spleen and prolongs the survival time of FIST-immunized mice challenged with live <i>S. typhimurium</i> . 3. Telocinobufagin has immunomodulatory activity, can enhance a Th1 immune response to control intracellular infections, could be developed as a novel immunotherapeutic agent to treat cancer and other immune-mediated diseases.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 60 mg/mL (149.06 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4843 mL	12.4217 mL	24.8435 mL
5 mM	0.4969 mL	2.4843 mL	4.9687 mL
10 mM	0.2484 mL	1.2422 mL	2.4843 mL
50 mM	0.0497 mL	0.2484 mL	0.4969 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.

Reference

Wu S C , Fu B D , Shen H Q , et al. Telocinobufagin enhances the Th1 immune response and protects against *Salmonella typhimurium* infection[J]. International Immunopharmacology, 2015, 25(2):353-362.

Ma X, Xu W, Jin X, et al. Telocinobufagin inhibits osteosarcoma growth and metastasis by inhibiting the JAK2/STAT3 signaling pathway. European Journal of Pharmacology. 2023: 175529.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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