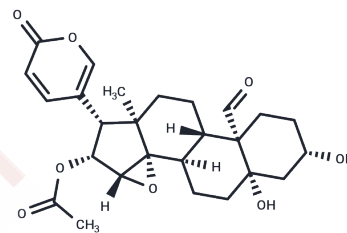


## 19-Oxocinobufotalin

## Chemical Properties

CAS No. :	24512-60-5
Formula:	C <sub>26</sub> H <sub>32</sub> O <sub>8</sub>
Molecular Weight:	472.53
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	19-Oxocinobufotalin is a natural product that inhibits epithelial-mesenchymal transition (EMT) and attenuates growth, migration, and invasion in PC3 cells.
Targets(IC50)	Others
In vitro	19-Oxocinobufotalin(50 nM) can inhibit the proliferation of PC3 cells by up to 10% [2].

## Solubility Information

Solubility	DMSO: 40.00 mg/mL (84.65 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	2.1163 mL	10.5813 mL	21.1627 mL
5 mM	0.4233 mL	2.1163 mL	4.2325 mL
10 mM	0.2116 mL	1.0581 mL	2.1163 mL
50 mM	0.0423 mL	0.2116 mL	0.4233 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

Wu FK, et al. Cytotoxic constituents from the skin of the toad Bufo bufo gargarizans. J Asian Nat Prod Res. 2011 Feb;13(2):111-6.

Liping Chen, et al. Arenobufagin inhibits prostate cancer epithelial-mesenchymal transition and metastasis by down-regulating  $\beta$ -catenin. Pharmacol Res. 2017 Sep;123:130-142.

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