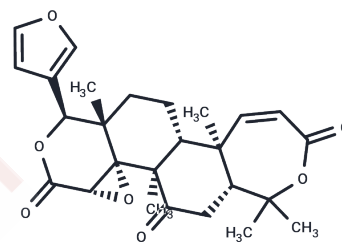


Obacunone

Chemical Properties

CAS No. :	751-03-1
Formula:	C ₂₆ H ₃₀ O ₇
Molecular Weight:	454.51
Appearance:	no data available
Storage:	keep away from direct sunlight,store at low temperature
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Obacunone has cytotoxicity in androgen-dependent human prostate Y cells. Obacunone exerts an antivirulence effect on <i>S. Typhimurium</i> and may serve as a lead compound for development of antivirulence strategies for <i>S. Typhimurium</i> . Obacunone may have the potential to prevent estrogen-responsive breast Y through inhibition of the aromatase enzyme and inflammatory pathways, as well as activation of apoptosis.
Targets(IC ₅₀)	Apoptosis,Aromatase,p38 MAPK

Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 82 mg/mL (180.41 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	2.2002 mL	11.0009 mL	22.0017 mL
5 mM	0.440 mL	2.2002 mL	4.4003 mL
10 mM	0.220 mL	1.1001 mL	2.2002 mL
50 mM	0.044 mL	0.220 mL	0.440 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

- Murthy KN, et al. Toxicology. 2015 Mar 2;329:88-97.
 Kim J, et al. Biochimie. 2014 Oct;105:36-44.
 Vikram A, et al. Appl Environ Microbiol. 2012 Oct;78(19):72012-22.

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