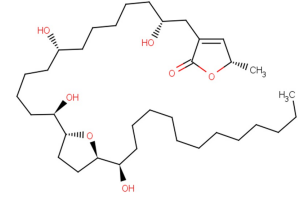


Data Sheet (Cat.No.T14293)

Annonacin

Chemical Properties

CAS No.:	111035-65-5
Formula:	C ₃₅ H ₆₄ O ₇
Molecular Weight:	596.88
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Annonacin is an Acetogenin and promotes cytotoxicity via a pathway inhibiting the mitochondrial complex and it is the active agent found in Graviola leaf extract to act as an inhibitor of sodium/potassium (NKA) and sarcoplasmic reticulum (SERCA) ATPase pumps[1].
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.675 mL	8.377 mL	16.754 mL
5 mM	0.335 mL	1.675 mL	3.351 mL
10 mM	0.168 mL	0.838 mL	1.675 mL
50 mM	0.034 mL	0.168 mL	0.335 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Yiallouris A, et al. Annonacin promotes selective cancer cell death via NKA-dependent and SERCA-dependent pathways. Cell Death Dis. 2018 Jul 9;9(7):764.

Inhibitors · Natural Compounds · Compound Libraries

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