Ouabain . octahydrate

Na^+/K^+ ATPase inhibitor

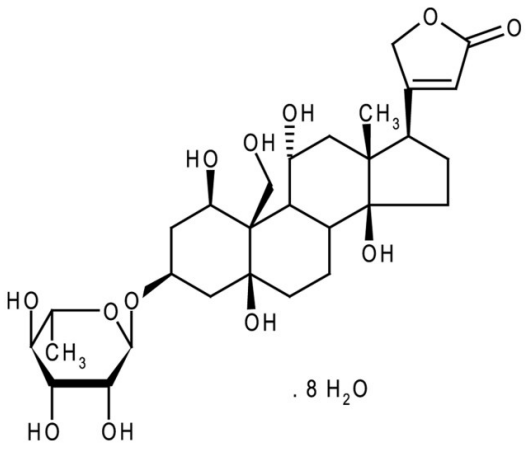
A steroidal inhibitor of cardiac sodium pumps (Na^+/K^+ ATPase) which has been recognized as an endogenous adrenal hormone. In the CNS it can be used as a tool to induce in vivo excitotoxicity. Ouabain, as well as other endogenous digitalis-like compounds, can down-regulate the expression of 14-3-3 proteins in rat lens.

Citations: 16 View Online »

Ordering Information Order Online »

ALX-350-066-M100	100mg

Manuals, SDS & CofA View Online »


O
O
OH
CH3
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OH
. 8 H2O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Strophanthin G, 3-[(6-Deoxy-α-L-mannopyranosyl)oxy]-1,5,11α-14,19-penta-hydroxycard-20(22)-enolide
Appearance	White solid.
CAS	11018-89-6
Couple Target	ATPase
Couple Type	Inhibitor
Formula	$C_{29}H_{44}O_{12} \cdot 8H_2O$
MI	**14:** 6901
MW	584.6 . 144.2
Purity	≥98% (TLC)
Solubility	Soluble in water (>25mg/ml).

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