

Ouabain, Na⁺ K⁺ ATPase inhibitor

Catalog	Unit
TBI1248-100MG	100 mg
TBI1248-1G	1 g

Product Details

Formal Name: 3-[(6-Deoxy- α -L-mannopyranosyl)oxy]-1,5,11 α ,14,19-pentahydroxycard-20(22)-enolide octahydrate

Alternate Names: g-strophanthin

Molecular Formula: C₂₉H₄₄O₁₂ · 8(H₂O)

Formula Weight: 584.67 · 144.12

CAS Number: 630-60-4 or 11018-89-6

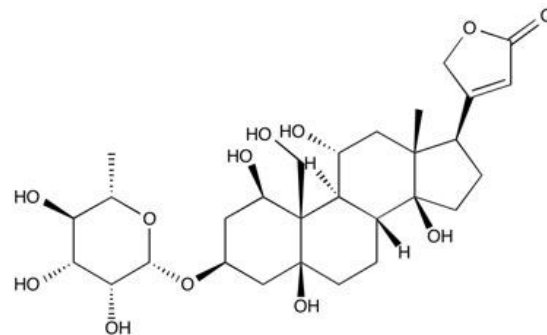
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml), or in Water (up to 10 mg/ml).

Storage: -20°C

Stability: \geq 2 years.



Applications

Na⁺ K⁺ ATPase inhibitor

Functions

Selective inhibitor of Na⁺ K⁺-ATPase isolated from *Strophanthus gratus*. Endogenous ouabain is found in human circulation. Displays cardiotonic and diuretic activity. May be used to induce hypertensive rat model. Cell permeable and active in vivo.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml), or in Water (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 3 months.

For research use only.