Bufalin

ATPase inhibitor

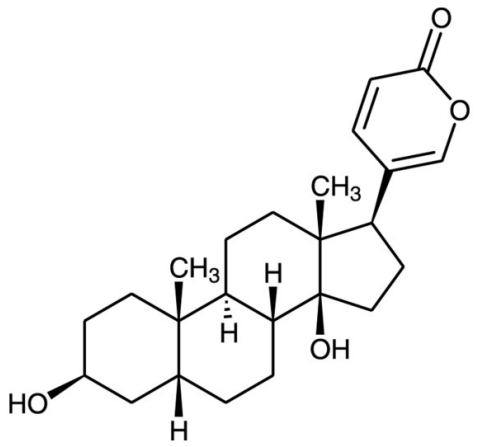
Cardiotonic steroid specific Na^+/K^+-ATPase inhibitor. More potent than ouabain (Prod. No. BML-CM109). Induces cell differentiation. Induces apoptosis in U937 and HL-60 cells by activation of AP-1 via a MAPK pathway that involves JNK. Regulates Tiam1 gene. Down regulates expression of 14-3-3 protein.

Citations: 11 View Online »

Ordering Information Order Online »

BML-AP303-0010	10mg

Manuals, SDS & CofA View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	(3β,5β)-3,14-Dihydroxybufa-20,22-dienolide, 5β,20(22)-Bufadienolide-3β,14-diol
Appearance	White to off-white solid.
CAS	465-21-4
Couple Target	ATPase
Couple Type	Inhibitor
Formula	$C_{24}H_{34}O_4$
MI	**14:** 1471
MW	386.5
Purity	≥97% (HPLC)
RTECS	EI2962500
Solubility	Soluble in DMSO (25 mg/ml) or 100% ethanol (25 mg/ml, warm).

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