Paxilline

K^+ channel blocker

Paxilline is an indole alkaloid isolated from *Penicillium paxilli*. It is a selective and reversible blocker of the smooth muscle high conductance Ca^{2+}-activated K^+ (maxi-K) channel (70% block at 10 nM). In neutrophils, Paxilline blockage of BK_{Ca} channels decreased the alkalinization of phagocytic vacuoles and inhibited the microbicidal process. Inhibitor of the cerebellar inositol 1,4,5-triphosphate (InsP(3)) receptor.

Citations: 9 View Online »

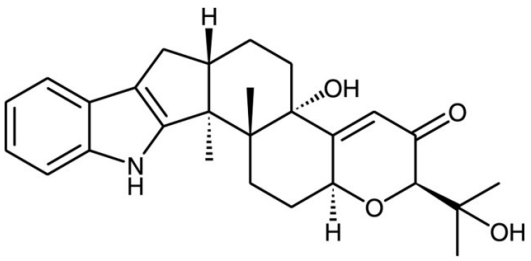
Ordering Information

Order Online »

BML-KC155-0005	5mg

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.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White solid.
CAS	57186-25-1
Couple Target	IP3 receptor, Potassium channel
Couple Type	Blocker, Ligand
Formula	$C_{27}H_{33}NO_4$
MW	435.6
Purity	≥97% (HPLC)
RTECS	DJ2830000
Solubility	Soluble in DMSO (50mg/ml).

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