Anisomycin

Activator of MAPK, Jnk and p38

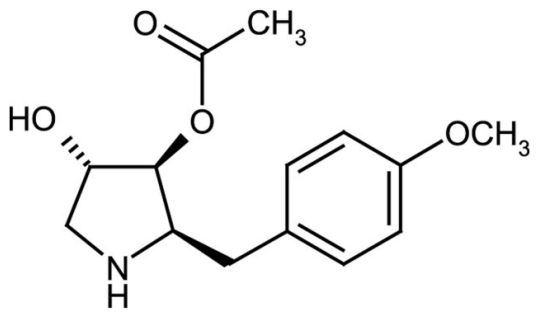
Antibiotic. Activates JNK/SAPKs, p38 and MAP kinases but not ERKs leading to the phosphorylation of S6, histone H3 and HMG-14 and the induction of the immediate-early genes c-fos and c-jun. Induces apoptosis in the human monoblastoid cell line. Used at 300 ng/ml. Inhibits peptidyl transferase at higher concentrations. Used in the eradication of bean mildew. Inhibits other pathogenic fungi in plants.

Citations: 18 View Online »

Ordering Information Order Online »

BML-ST102-0050	50mg

Manuals, SDS & CofA View Online »

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	2-(p-Methoxybenzyl)-3,4-pyrrolidinediol-3-acetate
Appearance	White solid.
CAS	22862-76-6
Couple Target	Jnk, MAPK, p38
Couple Type	Activator
Formula	$C_{14}H_{19}NO_4$
MI	**14:** 670
MW	265.3
Purity	≥97% (TLC)
RTECS	BZ9800000
Solubility	Soluble in DMSO (25mg/ml).
Source	Isolated from *Streptomyces griseolus*.

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.