

Product Information

JNK-c-Jun inhibitor Anisomycin, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ939

Size: 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD00077650

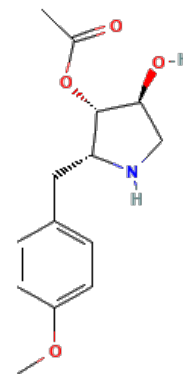
CAS Number: 22862-76-6

Compound CID: 253602

Synonym: anisomycin; 22862-76-6; Flagecidin; (-)-Anisomycin;

(2*R*,3*S*,4*S*)-4-Hydroxy-2-(4-methoxybenzyl)pyrrolidin-3-yl acetate; JNK-c-Jun inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Anisomycin, soluble in warmed DMSO and warmed ethanol and insoluble in water, acts as an anti-fungal antibiotic which inhibits protein synthesis.
Molecular Weight	265.31
Molecular Formula	C ₁₄ H ₁₉ NO ₄
IUPAC Name	[(2 <i>R</i> ,3 <i>S</i> ,4 <i>S</i>)-4-Hydroxy-2-[(4-methoxyphenyl)methyl]pyrrolidin-3-yl] acetate
InChI	InChI=1S/C14H19NO4/c1-9(16)19-14-12(15-8-13(14)17)7-10-3-5-11(18-2)6-4-10/h3-6,12-15,17H,7-8H2,1-2H3/t12-,13+,14+/m1/s1
InChI Key	YKJYKKNCCRKFSL-RDBSUJKOSA-N
Canonical SMILES	CC(=O)OC1C(CNC1CC2=CC=C(C=C2)OC)O
Isomeric SMILES	CC(=O)O[C@@H]1[C@H](CN[C@@H]1CC2=CC=C(C=C2)OC)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	Warmed DMSO: 35 mg/mL (131.92 mM); Water: Insoluble; Warmed ethanol: 14 mg/mL (52.76 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Anisomycin can be used to activate stress-activated protein kinases, providing insights into stress and protein synthesis pathways.
Storage	Store at -20°C.