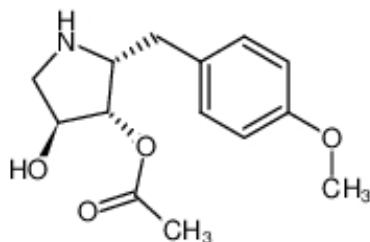


Anisomycin (CAS: 22862-76-6)**Catalog #: EBC51014****Biological Activity**

Synonyms	Flagecidin, NSC 76712
Chemical Name	(2R,3S,4S)-2-(4-Methoxybenzyl)-3,4-pyrrolidinediol-3-acetate
Application	Anisomycin is activator of JNK (c-Jun N-terminal kinases) and p38
CAS No.	22862-76-6
Purity	≥99.0%
Molecular Weight	265.31
Molecular Formula	C ₁₄ H ₁₉ NO ₄
Shipping	Gel Pack
Storage	Store at -20° C
Target & IC₅₀	JNK, DNA synthesis

Molecular Structure**Solubility**

DMSO: 26.5 mg/mL (100 mM)

Ethanol: 13.3 mg/mL (50 mM)

PS: < 1 mg/ml refers to the product insoluble**Description**

Anisomycin is a phenylpyrrolidine derivative shown to strongly activate the stress-induced MAP kinases JNK and p38. This activity results in the induction of the immediate-early genes: c-Fos, c-Jun, Fos B, Jun B and Jun D, and enhanced phosphorylation of p54/nrb, ATF-2, ERK, Caldesmon, IRS-1 and IRS-2. This compound behaves as a true signaling agonist, and has been implicated to play an important role in hyperosmolarity and UV-stimulated responses. Anisomycin has also been shown to increase the phosphorylation of p70 S6 kinase α .

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