

Product Datasheet

Actinonin (orb1089764)

Description	Actinonin ((-)-Actinonin) is a naturally occurring antibacterial agent produced by Actinomyces. Actinonin inhibits aminopeptidase M, aminopeptidase N and leucine aminopeptidase. Actinonin is a potent reversible peptide deformylase (PDF) inhibitor with a K_i of 0.28 nM. Actinonin also inhibits MMP-1, MMP-3, MMP-8, MMP-9, and hmeprin α with K_i values of 300 nM, 1,700 nM, 190 nM, 330 nM, and 20 nM, respectively. Actinonin is an apoptosis inducer. Actinonin has antiproliferative and antitumor activities.
Note	For research use only
Formula	$C_{19}H_{35}N_3O_5$
MW	385.4983
CAS Number	[13434-13-4]
SMILES	<chem>CCCCC(CC(=O)NO)C(=O)NC(C(C)C)C(=O)N1C(CO)CCC1</chem>
Expiration Date	12 months from date of receipt.

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