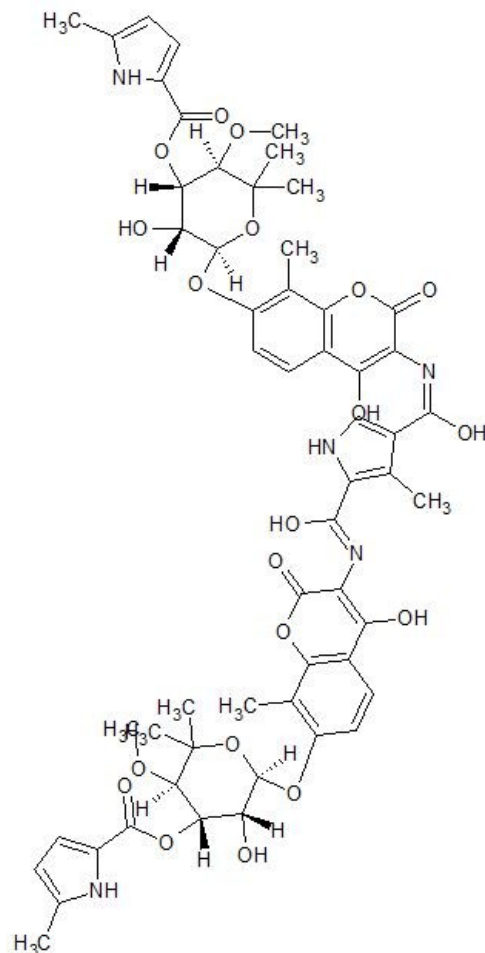


Coumermycin A1 ab287040

Overview

Product name	Coumermycin A1
Description	A DNA gyrase inhibitor
Biological description	Coumermycin A1 is a member of the aminocoumarin family of antibiotics that displays antibacterial activity against staphylococci and other gram-positive bacteria and some select gram-negative bacteria. Coumermycin A1 targets the B subunit of the bacterial DNA gyrase, inhibiting DNA synthesis.
Purity	>= 98%
General notes	This product is manufactured by BioVision, an Abcam company and was previously called B2414 Coumermycin A1. B2414-1 is the same size as the 1 mg size of ab287040.
CAS Number	4434-05-3

Chemical structure



Properties

Chemical name	[(3~{R},4~{S},5~{R},6~{R})-5-hydroxy-6-[4-hydroxy-3-[[5-[[4-hydroxy-7-[(2~{R},3~{R},4~{S},5~{R})-3-hydroxy-5-methoxy-6,6-dimethyl-4-(5-methyl-1~{H}-pyrrole-2-carbonyl)oxyoxan-2-yl]oxy-8-methyl-2-oxochromen-3-yl]carbamoyl]-4-methyl-1~{H}-pyrrole-3-carbonyl]amino]-8-methyl-2-oxochromen-7-yl]oxy-3-methoxy-2,2-dimethyloxan-4-yl] 5-methyl-1~{H}-pyrrole-2-carboxylate
Molecular weight	1110.08
Molecular formula	C ₅₅ H ₅₉ N ₅ O ₂₀
PubChem identifier	54675768
Storage instructions	Shipped at 4°C. Store at -20°C.
Solubility overview	Soluble in DMSO to >25 mM
Handling	Refer to SDS for further information. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	<chem>CC1=CC=C(N1)C(=O)OC2C(C(OC(C2OC(C)C)OC3=C(C4=C(C(C3)C(=C(C(=O)O4)NC(=O)C5=CNC(=C5C)C(=O)NC6=C(C7=C(C(=C(C=C7)OC8C(C(C(C(O8)C)C)OC(=O)C9=CC=C(N9)C)O)C)OC6=O)O)O)C)O</chem>

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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