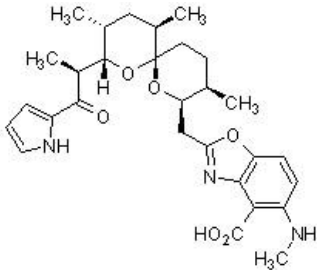


A23187 (Calcimycin), Ca²⁺ ionophore ab120287

8 References [1 图像](#)

概述

产品名称	A23187 (Calcimycin), Ca ²⁺ ionophore
描述	Ca ²⁺ ionophore
生物学描述	A mobile ion-carrier that forms stable complexes with divalent cations. Useful for increasing intracellular Ca ²⁺ levels. Also acts as an uncoupler of oxidative phosphorylation and inhibitor of mitochondrial ATPase activity. An antibiotic with weak activity against Gram-positive bacteria.
CAS编号	52665-69-7
化学结构	

性能

化学名称	5-(Methylamino)-2-[[[2 <i>R</i> ,3 <i>R</i> ,6 <i>S</i> ,8 <i>S</i> ,9 <i>R</i> ,11 <i>R</i>]-3,9,11-trimethyl-8-[(1 <i>S</i>)-1-methyl-2-oxo-2-(1 <i>H</i> -pyrrol-2-yl)-ethyl]-1,7-dioxaspiro[5.5]undec-2-yl]methyl]-4-benzoxazolecarboxylic acid
分子量	523.63
分子式	C ₂₉ H ₃₇ N ₃ O ₆
PubChem识别号	11957499
存放说明	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in DMSO to 100 mM (with heating)
处理	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Refer to SDS for further information.</p>

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

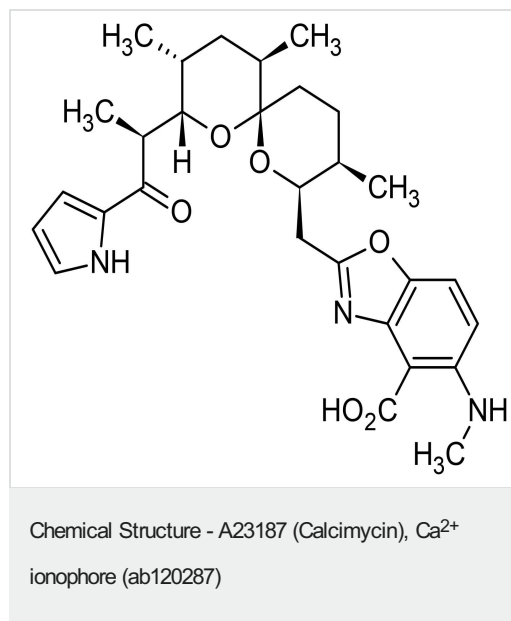
SMILES

O=C(O)c1c(NC)ccc2oc(nc12)C[C@H]3O[C@@]4(CC[C@H]3C)O[C@@H]([C@H](C)C[C@H]4C)[C@H](C)C(=O)c5cccn5

来源

Streptomyces chartreusensis

图片



2D chemical structure image of ab120287, A23187 (Calcimycin), Ca²⁺ ionophore

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

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