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## Product Datasheet

### Gramicidin A, CAS [[11029-61-1]] FBM-10-3556

Article Name	Gramicidin A, CAS [[11029-61-1]]
Biozol Catalog Number	FBM-10-3556
Supplier Catalog Number	10-3556
Alternative Catalog Number	FBM-10-3556-1MG,FBM-10-3556-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Channel-forming ionophore...
Molecular Weight	1882.29
Purity	>95% by HPLC, NMR (conforms)
Form	White to off-white solid
CAS Number	[11029-61-1]
Formula	C99H140N20O17
Application Notes	Gramicidin A (11029-61-1) is a hydrophilic non-ribosomal peptide ionophore that forms channels in membranes which are monovalent cation-permeable. <sup>1,2</sup> Disruption of cellular ionic homeostasis is the basis for its antibiotic activity. <sup>3</sup> It is also cytotoxic to a variety of cancer cell lines <sup>4</sup> and tumor xenografts <sup>5</sup> . Gramicidin A was shown to stimulate melanoma differentiation-associated protein 5 (MDA5)-mediated IFN signaling by enhancing its oligomerization onto RNA and thus represents a new tool to manipulate MDA5 activity. <sup>6</sup>