LKT Laboratories, Inc.

Oligomycin C

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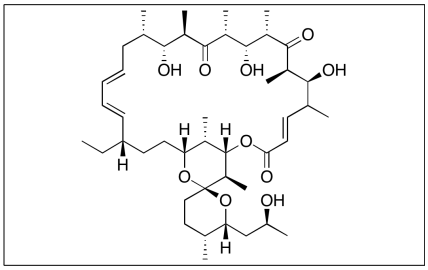
Product Information

Product ID O451328
CAS No. 11053-72-5
Chemical Name (1S,4E,5'R,6R,6'R,7S,8R,10S,11R,12R,14R,15R,16S,18E,20E,22S,25R,27S,28R,29S)-22-Ethyl-7,11,15-trihydroxy-6'-[(2S)-2-hydroxypropyl]-5',6,8,10,12,14,16,28,29-nonamethyl-3',4',5',6'-tetrahydro-3H,9H,13H-
Synonym 12-Deoxyoligomycin A



Formula $C_{45}H_{74}O_{10}$
Formula Wt. 775.08
Melting Point 94-101°C
Purity ≥97%
Solubility Soluble in ethanol, methanol, DMF, and DMSO. Insoluble in water.

Bulk quanitites available upon request

Product ID	Size
O451328	1 mg
O451328	5 mg
O451328	25 mg

Store Temp -20°C
Ship Temp Ambient
Description Oligomycin C is a fermentation product isolated from Streptomyces diastatochromogenes. Oligomycins are polyketides composed of macrocyclic lactones fused to bicyclic spiroketal ring systems. Oligomycin is known to inhibit F1F0-class ATPases.

References Salim AA, Tan L, Huang XC, et al. Oligomycins as inhibitors of K-Ras plasma membrane localisation. Org Biomol Chem. 2016 Jan 14;14(2):711-715. PMID: 26565618.

Harvey BJ. Energization of sodium absorption by the H(+)-ATPase pump in mitochondria-rich cells of frog skin. J Exp Biol. 1992 Nov;172:289-309. PMID: 1491227.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.