



LKT Laboratories, Inc.

Calyculin A

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Product Information

Product ID C0346

CAS No. 101932-71-2

Chemical Name N-[(3S)-3-[4-[(1E)-3-[(2R,3R,5R,7S,8S,9R)-2-[(1S,3S,-4S,5R,6R,7E,9E,11E,13Z)-14-cyano-3,5-dihydroxy-1-methoxy-4,6,8,9,13-pentamethyl-7,9,11,13-tetradeca-tetraenyl]-9-hydroxy

Synonym (-)-Calyculin A

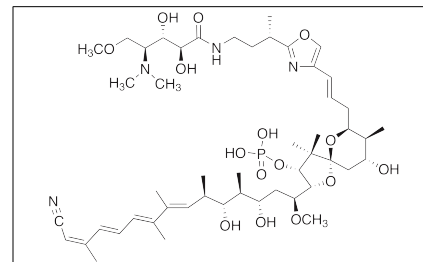
Formula C₅₀H₈₁N₄O₁₅P

Formula Wt. 1009.17

Melting Point 247-249 °C

Purity ≥98%

Solubility Soluble in DMSO or ethanol.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
C0346	10 µg	\$257.30
C0346	50 µg	\$907.80

Store Temp -20 °C

Ship Temp Ambient

Description Calyculin A is an inhibitor of protein phosphatases 1 (PP1) and 2A (PP2A) that was first found in *Discodermia*. TEST!!!!!!

References Iida Y, Yamamori S, Itakura M, et al. Protein phosphatase 2A dephosphorylates SNAP-25 through two distinct mechanisms in mouse brain synaptosomes. *Neurosci Res.* 2013 Mar;75(3):184-9. PMID: 23376809.

Palfrey HC, Pewitt EB. The ATP and Mg²⁺ dependence of Na⁽⁺⁾-K⁽⁺⁾-2Cl⁻ cotransport reflects a requirement for protein phosphorylation: studies using calyculin A. *Pflugers Arch.* 1993 Nov;425(3-4):321-8. PMID: 8309793.

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