

Product Information



Moenomycin Complex

Item No. 15506

CAS Registry No.: 11015-37-5

Synonyms: Bambermycin, Flavomycin, Flavophospholipol, Gainpro

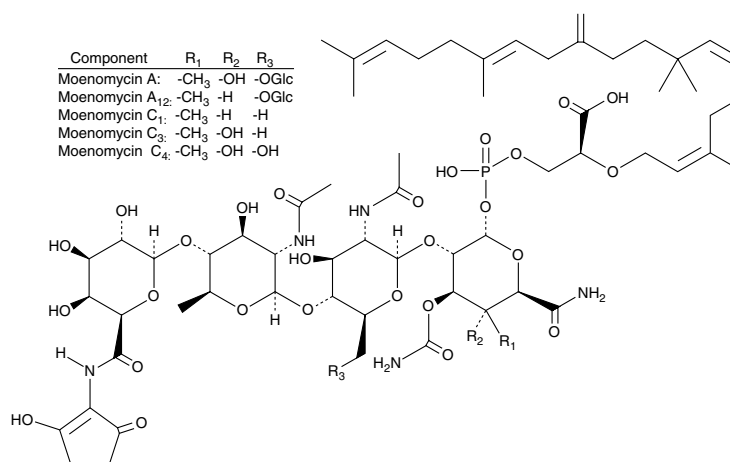
MF: $C_{69}H_{107}N_4O_{35}P$ (for A)

FW: 1,583.6 (for A)

Purity: $\geq 95\%$

Stability: ≥ 2 years at -20°C

Supplied as: A white to off-white solid



Laboratory Procedures

For long term storage, we suggest that moenomycin complex be stored as supplied at -20°C . It should be stable for at least two years.

Moenomycin complex is supplied as a white to off-white solid. A stock solution may be made by dissolving the moenomycin complex in the solvent of choice. Moenomycin complex is soluble in organic solvents such as ethanol, DMSO, dimethyl formamide, and methanol, which should be purged with an inert gas.

Moenomycin complex is sparingly soluble in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations.

Moenomycin complex is a mixture of moenomycins A, A₁₂, C₁, C₃ and C₄, which are antibiotics isolated from several strains of *Streptomyces* that directly inhibit bacterial peptidoglycan glycosyltransferases.¹ The minimal inhibitory concentration of moenomycin A against various Gram-positive bacteria ranges from 1-100 nM.¹

Reference

1. Ostash, B. and Walker, S. Moenomycin family antibiotics: Chemical synthesis, biosynthesis, biological activity. *Nat. Prod. Rep.* **27(11)**, 1594-1617 (2010).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/15506

Cayman Chemical

Mailing address
1180 E. Ellsworth Road
Ann Arbor, MI
48108 USA

Phone
(800) 364-9897
(734) 971-3335

Fax
(734) 971-3640

E-Mail
custserv@caymanchem.com

Web
www.caymanchem.com

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Cayman Chemical Company makes **no warranty or guarantee** of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet our specifications at the time of delivery.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees.

Buyer's exclusive remedy and Cayman's sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman's option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

Copyright Cayman Chemical Company, 01/27/2014