

BU-2313 A

Chemical Properties

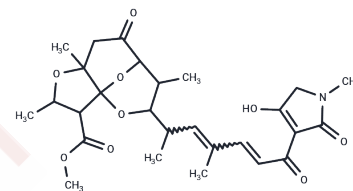
CAS No. : 69774-86-3

Formula: C₂₇H₃₅N₉O

Molecular Weight: 517.57

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	BU-2313 A is a new antibiotic complex. It also active against anaerobes.
Targets(IC50)	Others,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9321 mL	9.6605 mL	19.3211 mL
5 mM	0.3864 mL	1.9321 mL	3.8642 mL
10 mM	0.1932 mL	0.9661 mL	1.9321 mL
50 mM	0.0386 mL	0.1932 mL	0.3864 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Tsukiura H, Tomita K, Hanada M, Kobaru S, Tsunakawa M, Fujisawa K, Kawaguchi H. Bu-2313, a new antibiotic complex active against anaerobes. I. Production, isolation and properties of Bu-2313 A and B. *J Antibiot (Tokyo)*. 1980 Feb;33(2):157-65. PubMed PMID: 6900628.

Tsunakawa M, Toda S, Okita T, Hanada M, Nakagawa S, Tsukiura H, Naito T, Kawaguchi H. Bu-2313, a new antibiotic complex active against anaerobes. II. Structure determination of Bu-2313 A and B. *J Antibiot (Tokyo)*. 1980 Feb;33(2):166-72. PubMed PMID: 6900629.

Toda S, Nakagawa S, Naito T, Kawaguchi H. Bu-2313, a new antibiotic complex active against anaerobes. III. Semi-synthesis of Bu-2313 A and B, and their analogs. *J Antibiot (Tokyo)*. 1980 Feb;33(2):173-81. PubMed PMID: 6900630.

Tomita K, Hoshino Y, Sasahira T, Hasegawa K, Akiyama M, Tsukiura H, Kawaguchi H. Taxonomy of the antibiotic Bu-2313-producing organism. *Microtetraspora caesia* sp. nov. *J Antibiot (Tokyo)*. 1980 Dec;33(12):1491-501. PubMed PMID: 6910477.

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