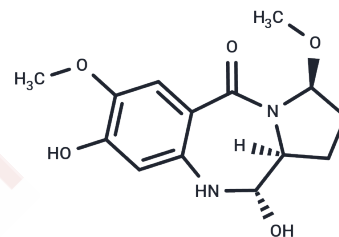


RK-1441A

Chemical Properties

CAS No. : 132035-29-1
 Formula: C₁₄H₁₈N₂O₅
 Molecular Weight: 294.30
 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	RK-1441A is an antibacteriophage antibiotic related to neothramycin.
Targets(IC50)	Others,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3979 mL	16.9895 mL	33.9789 mL
5 mM	0.6796 mL	3.3979 mL	6.7958 mL
10 mM	0.3398 mL	1.6989 mL	3.3979 mL
50 mM	0.068 mL	0.3398 mL	0.6796 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

- Osada H, Uramoto M, Uzawa J, Kajikawa K, Isono K. New pyrrolobenzodiazepine antibiotics, RK-1441A and B. II. Isolation and structure. *Agric Biol Chem.* 1990 Nov;54(11):2883-7. PubMed PMID: 1368648.
 Osada H, Ishinabe K, Yano T, Kajikawa K, Isono K. New pyrrolobenzodiazepine antibiotics, RK-1441A and B. I. Biological properties. *Agric Biol Chem.* 1990 Nov;54(11):2875-81. PubMed PMID: 1369312.

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