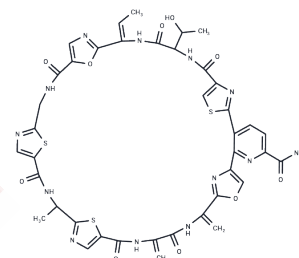


A-10255

Chemical Properties

CAS No. : 144376-84-1
 Formula: C₄₀H₃₅N₁₃O₁₀S₃
 Molecular Weight: 953.98
 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	A-10255 is a complex of thiopeptide antibiotics from <i>Streptomyces gardneri</i> .
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0482 mL	5.2412 mL	10.4824 mL
5 mM	0.2096 mL	1.0482 mL	2.0965 mL
10 mM	0.1048 mL	0.5241 mL	1.0482 mL
50 mM	0.021 mL	0.1048 mL	0.2096 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

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- Favret ME, Boeck LD. Effect of cobalt and cyanocobalamin on biosynthesis of A10255, a thiopeptide antibiotic complex. *J Antibiot (Tokyo)*. 1992 Nov;45(11):1809-11. PubMed PMID: 1468992.
- Favret ME, Paschal JW, Elzey TK, Boeck LD. Biosynthesis of thiopeptide antibiotic A10255: incorporation of isotopically-labeled precursors. *J Antibiot (Tokyo)*. 1992 Sep;45(9):1499-511. PubMed PMID: 1429236.
- Boeck LD, Berry DM, Mertz FP, Wetzel RW. A10255, a complex of novel growth-promoting thiopeptide antibiotics produced by a strain of *Streptomyces gardneri*. Taxonomy and fermentation studies. *J Antibiot (Tokyo)*. 1992 Aug; 45(8):1222-30. PubMed PMID: 1399842.

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