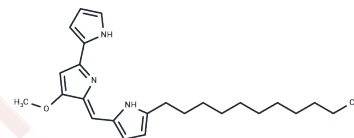


Undecylprodigiosin

Chemical Properties

CAS No. :	52340-48-4
Formula:	C ₂₅ H ₃₅ N ₃ O
Molecular Weight:	393.56
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	Undecylprodigiosin is a classical cytotoxic immunosuppressant, suppressing immune functions. It also inhibits DNA synthesis.
Targets(IC50)	Apoptosis,Others,Antibacterial,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5409 mL	12.7045 mL	25.4091 mL
5 mM	0.5082 mL	2.5409 mL	5.0818 mL
10 mM	0.2541 mL	1.2705 mL	2.5409 mL
50 mM	0.0508 mL	0.2541 mL	0.5082 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

- Mirzaei SA, Safari Kavishahi M, Keshavarz Z, Elahian F. Unlike Butylcycloheptylprodigiosin, Isolated Undecylprodigiosin from *Streptomyces parvulus* Is Not a MDR1 and BCRP Substrate in Multidrug-Resistant Cancers. *DNA Cell Biol.* 2018 Apr 19. doi: 10.1089/dna.2018.4161. [Epub ahead of print] PubMed PMID: 29672160.
- López-García MT, Yagüe P, González-Quiñónez N, Rioseras B, Manteca A. The SCO4117 ECF Sigma Factor Pleiotropically Controls Secondary Metabolism and Morphogenesis in *Streptomyces coelicolor*. *Front Microbiol.* 2018 Feb 21;9:312. doi: 10.3389/fmicb.2018.00312. eCollection 2018. PubMed PMID: 29515563; PubMed Central PMCID: PMC5826349.
- Abraham J, Chauhan R. Profiling of red pigment produced by *Streptomyces* sp. JAR6 and its bioactivity. *3 Biotech.* 2018 Jan;8(1):22. doi: 10.1007/s13205-017-1044-7. Epub 2017 Dec 18. PubMed PMID: 29276660; PubMed Central PMCID: PMC5735041.
- Martín-Martín S, Rodríguez-García A, Santos-Beneit F, Franco-Domínguez E, Sola-Landa A, Martín JF. Self-control of the PHO regulon: the PhoP-dependent protein PhoU controls negatively expression of genes of PHO regulon in *Streptomyces coelicolor*. *J Antibiot (Tokyo).* 2017 Nov 1. doi: 10.1038/ja.2017.130. [Epub ahead of print] PubMed PMID: 29089595.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481