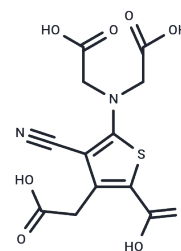


Ranelic acid

Chemical Properties

CAS No. :	135459-90-4
Formula:	C ₁₂ H ₁₀ N ₂ O ₈ S
Molecular Weight:	342.28
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	Ranelic acid is an organic acid capable of chelating metal cations. Strontium ranelate, the strontium salt of Ranelic acid, is utilized to treat osteoporosis and increase bone mineral density.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9216 mL	14.6079 mL	29.2158 mL
5 mM	0.5843 mL	2.9216 mL	5.8432 mL
10 mM	0.2922 mL	1.4608 mL	2.9216 mL
50 mM	0.0584 mL	0.2922 mL	0.5843 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

- Wang Q, Li ZS, Sun BW. Methyl 5-[N,N-bis-(methoxy-carbonyl-meth-yl)amino]-4-cyano-2-methoxy-carbonyl-3-thio-phe ne-ethan-o-ate. Acta Crystallogr Sect E Struct Rep Online. 2008 Sep 13;64(Pt 10):o1927. doi: 10.1107/S1600536808028699. PubMed PMID: 21201135; PubMed Central PMCID: PMC2959377.
- Deeks ED, Dhillon S. Strontium ranelate: a review of its use in the treatment of postmenopausal osteoporosis. Drugs. 2010 Apr 16;70(6):733-59. doi: 10.2165/10481900-000000000-00000. Review. PubMed PMID: 20394457.
- Deeks ED, Dhillon S. Spotlight on strontium ranelate: in postmenopausal osteoporosis. Drugs Aging. 2010 Sep 1;27(9):771-3. doi: 10.2165/11206440-000000000-00000. Review. PubMed PMID: 20809666.
- Bayés M, Rabasseda X, Prous JR. Gateways to clinical trials. Methods Find Exp Clin Pharmacol. 2003 Sep;25(7):565-97. PubMed PMID: 14571286.

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