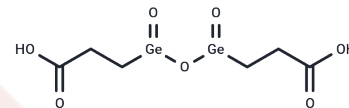


Propagermanium

Chemical Properties

CAS No. :	12758-40-6
Formula:	C ₆ H ₁₀ Ge ₂ O ₇
Molecular Weight:	339.42
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Propagermanium (Ge132), an organometallic compound of germanium, has been used as a therapeutic agent against chronic hepatitis B in Japan.
Targets(IC50)	Others,ROS

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9462 mL	14.731 mL	29.462 mL
5 mM	0.5892 mL	2.9462 mL	5.8924 mL
10 mM	0.2946 mL	1.4731 mL	2.9462 mL
50 mM	0.0589 mL	0.2946 mL	0.5892 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

Mizuno N, Nishibori E, Oka M, Jomori T, Takata M, Kumasaka T. Structural Basis for Polymer Packing and Solvation Properties of the Organogermanium Crystalline Polymer Propagermanium and Its Derivatives. *J Pharm Sci.* 2015 Aug;104(8):2482-8. doi: 10.1002/jps.24486. Epub 2015 Jun 2. PubMed PMID: 26037234.

Tamura Y, Sugimoto M, Murayama T, Minami M, Nishikaze Y, Ariyasu H, Akamizu T, Kita T, Yokode M, Arai H. C-C chemokine receptor 2 inhibitor improves diet-induced development of insulin resistance and hepatic steatosis in mice. *J Atheroscler Thromb.* 2010 Mar 31;17(3):219-28. Epub 2010 Feb 24. PubMed PMID: 20179360.

Tsukuda K, Mogi M, Iwanami J, Min LJ, Jing F, Oshima K, Horiuchi M. Irbesartan attenuates ischemic brain damage by inhibition of MCP-1/CCR2 signaling pathway beyond AT₁ receptor blockade. *Biochem Biophys Res Commun.* 2011 Jun 3;409(2):275-9. doi: 10.1016/j.bbrc.2011.04.142. Epub 2011 May 14. PubMed PMID: 21575596.

Tsutsumi Y, Tanaka J, Kanamori H, Musashi M, Minami H, Fukushima A, Yamato H, Ehira N, Kawamura T, Obara S, Ogura N, Asaka M, Imamura M, Masauzi N. Effectiveness of propagermanium treatment in multiple myeloma patients. *Eur J Haematol.* 2004 Dec;73(6):397-401. PubMed PMID: 15522060.

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