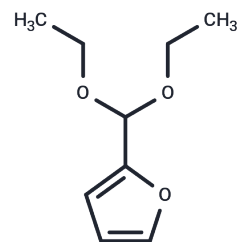


2-Furaldehyde diethyl acetal

Chemical Properties

CAS No. :	13529-27-6
Formula:	C ₉ H ₁₄ O ₃
Molecular Weight:	170.21
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	2-Furaldehyde diethyl acetal is an acetal functioning as a protective form for aldehyde groups in organic synthesis.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8751 mL	29.3755 mL	58.751 mL
5 mM	1.175 mL	5.8751 mL	11.7502 mL
10 mM	0.5875 mL	2.9375 mL	5.8751 mL
50 mM	0.1175 mL	0.5875 mL	1.175 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

Gauthier DR Jr, et al. Synthesis of 5-pyridyl-2-furaldehydes via palladium-catalyzed cross-coupling with triorganozincates. *Org Lett.* 2002 Feb 7;4(3):375-8.

Karuppiah V, et al. Anti-quorum sensing and antibiofilm potential of 1,8-cineole derived from *Musa paradisiaca* against *Pseudomonas aeruginosa* strain PAO1. *World J Microbiol Biotechnol.* 2021 Mar 19;37(4):66.

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