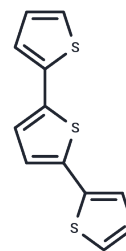


2,2':5',2''-Terthiophene

Chemical Properties

CAS No. :	1081-34-1
Formula:	C ₁₂ H ₈ S ₃
Molecular Weight:	248.39
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	2,2':5',2''-Terthiophene (Trithiophene) (α -Terthiophene) is an oligomer of the heterocyclic compound thiophene, used as a building block for the organic semiconductor polythiophene.
Targets(IC50)	Antibacterial, Antibiotic

Solubility Information

Solubility	DMSO: 55 mg/mL (221.43 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0259 mL	20.1296 mL	40.2593 mL
5 mM	0.8052 mL	4.0259 mL	8.0519 mL
10 mM	0.4026 mL	2.013 mL	4.0259 mL
50 mM	0.0805 mL	0.4026 mL	0.8052 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

Mares D , Romagnoli C , Rossi R , et al. Antifungal activity of some 2,2':5',2''-terthiophene derivatives[J]. Mycoses, 1994, 37(9-10):377-383.

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