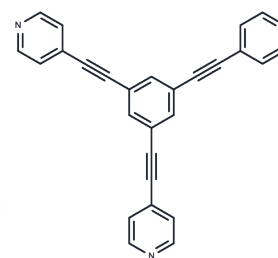


1,3,5-tris(pyridin-4-ylethynyl)benzene

Chemical Properties

CAS No. :	168289-78-9
Formula:	C ₂₇ H ₁₅ N ₃
Molecular Weight:	381.43
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	1,3,5-tris(pyridin-4-ylethynyl)benzene is a heterocyclic compound with a wide range of properties such as fluorescence and electrochemical activity with relatively low toxicity. It has been used as a building block for the synthesis of various materials such as polymers, nanomaterials and organic light emitting diodes (OLEDs). It is also a promising material for the development of novel drug delivery systems.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 3.82 mg/mL (10.01 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	2.6217 mL	13.1086 mL	26.2171 mL
5 mM	0.5243 mL	2.6217 mL	5.2434 mL
10 mM	0.2622 mL	1.3109 mL	2.6217 mL
50 mM	0.0524 mL	0.2622 mL	0.5243 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

Ma L, Wang P, Duan W, Tu B, Zeng Q. Regulation of a Porphyrin Derivative Containing Two Symmetric Benzoic Acids by Different Pyridines. Langmuir. 2021 Oct 5;37(39):11544-11551.

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