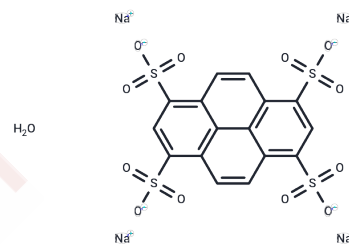


1,3,6,8-Pyrenetetrasulfonic Acid (sodium salt hydrate)

Chemical Properties

CAS No. :	1771776-02-3
Formula:	C ₁₆ H ₈ Na ₄ O ₁₃ S ₄
Molecular Weight:	628.43
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	1,3,6,8-Pyrenetetrasulfonic acid is an intermediate in the synthesis of the color additive pyranine. It has been used to stabilize intermolecular interactions for the crystallization of L. mexicana pyruvate kinase. ²
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 0.5 mg/mL (0.8 mM), Sonication is recommended. PBS (pH 7.2): 10 mg/mL (15.91 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	1.5913 mL	7.9563 mL	15.9127 mL
5 mM	0.3183 mL	1.5913 mL	3.1825 mL
10 mM	0.1591 mL	0.7956 mL	1.5913 mL
50 mM	0.0318 mL	0.1591 mL	0.3183 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

- Jitian, S., White, S.R., Yang, H.-H.W., et al. Conventional high-performance liquid chromatography versus derivative spectrophotometry for the determination of 1,3,6-pyrenetrisulfonic acid trisodium salt and 1,3,6,8-pyrenetetrasulfonic acid tetrasodium salt in the color additive D&C Green No. 8 (Pyranine). *Chromatogr. A* 1324238-241(2014)
- Morgan, H.P., McNae, I.W., Hsin, K.-Y., et al. An improved strategy for the crystallization of *Leishmania mexicana* pyruvate kinase. *Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun.* 66(Pt 3)215-218(2010)

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