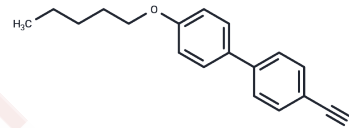


m 15

Chemical Properties

CAS No. : 52364-71-3
 Formula: C₁₈H₁₉NO
 Molecular Weight: 265.35
 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	M 15 liquid crystals are a member of the oxycyanobiphenyl family, which exhibits a liquid crystalline phase in the temperature range of 47-67.5°C.
Targets(IC50)	Others

Solubility Information

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

	1mg	5mg	10mg
1 mM	3.7686 mL	18.843 mL	37.6861 mL
5 mM	0.7537 mL	3.7686 mL	7.5372 mL
10 mM	0.3769 mL	1.8843 mL	3.7686 mL
50 mM	0.0754 mL	0.3769 mL	0.7537 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

- X-Ray Studies on the Mesogen 4?-n-Pentyloxy-4-Biphenylcarbonitrile(5OCB) in the Solid Crystalline State Mandal P and Paul S Mol. Cryst. Liq. Cryst. 131(3-4), -, (1985)
 Wide-line ¹H NMR study of 4?- (pentyloxy)-4-biphenylcarbonitrile in different phase states Chuvaev VF, et al. Russian Journal of Inorganic Chemistry 53(12), 1925-1928, ()

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