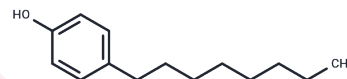


4-Octylphenol

Chemical Properties

CAS No. :	1806-26-4
Formula:	C14H22O
Molecular Weight:	206.32
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	4-Octylphenol is an endocrine disruptor with gender-specific effects on male germ cells, significantly reducing the mitotic index and the number of spermatogonia. It also causes inflammatory damage in the gills of carp by activating the complement system through the C3a/C3a receptor (C3a/C3aR) axis and C5a/C5a receptor 1 (C5a/C5aR1) axis. Furthermore, 4-Octylphenol induces immune suppression by disrupting the balance between helper T (Th) cells 1/Th2 and regulatory T (Treg)/Th17 cells, and triggers inflammatory damage through the Toll-like receptor 7 (Toll-like Receptor (TLR)) /inhibitor κ B α /nuclear factor κ B (TLR7/ κ B α /NF- κ B) pathway.
Targets(IC50)	NF- κ B, Complement System, TLR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8468 mL	24.2342 mL	48.4684 mL
5 mM	0.9694 mL	4.8468 mL	9.6937 mL
10 mM	0.4847 mL	2.4234 mL	4.8468 mL
50 mM	0.0969 mL	0.4847 mL	0.9694 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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