Product Data Sheet

Product Name:	4-Cumylphenol
Cat. No.:	GC68235

Chemical Properties

Cas. No.	599-64-4		
Formula	$C_{15}H_{16}O$	M.Wt	212.29
Solubility		Storage	4°C, stored under nitrogen
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	4-Cumylphenol		

Background

4-Cumylphenol is a polycarbonate chain terminator. 4-Cumylphenol is widely used as a material for polycarbonate plastics, surfactants, fungicides and preservatives. 4-Cumylphenol also induces lipid accumulation in mouse adipocytes[1][2][3].

4-Cumylphenol (1, 5, 10, 20, 40 μM; 6 days) increase lipid accumulation in 3 T3-L1 cells[3].

Cell Viability Assay[3]

Cell Line:	3 T3-L1 cells
Concentration:	1, 5, 10, 20, 40 μM
Incubation Time:	6 days
Result:	Increase lipid accumulation, which peaked at10 μM with a 204% increase.

[1]. Yue W, et al. Biodegradation of bisphenol-A polycarbonate plastic by

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Pseudoxanthomonas sp. strain NyZ600. J Hazard Mater. 2021 Aug 15;416:125775.
[2]. Chiha M, et al. Sonolytic degradation of endocrine disrupting chemical 4-cumylphenol in water. Ultrason Sonochem. 2011 Sep;18(5):943-50.
[3]. Ramskov Tetzlaff CN, Svingen T, et al. Bisphenols B, E, F, and S and 4-cumylphenol induce lipid accumulation in mouse adipocytes similarly to bisphenol A. Environ Toxicol. 2020 May;35(5):543-552.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA