

Benzyl lactate

Chemical Properties

CAS No. :	2051-96-9
Formula:	C10H12O3
Molecular Weight:	180.201
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Benzyl Lactate is an agent of biochemical.
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	5.5494 mL	27.7469 mL	55.4939 mL
5 mM	1.1099 mL	5.5494 mL	11.0988 mL
10 mM	0.5549 mL	2.7747 mL	5.5494 mL
50 mM	0.111 mL	0.5549 mL	1.1099 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

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Gao F, Wang B, Chang T, Li M, Fang W, Li ZH, Gao L. The iron pro-chelator BHAPI attenuates glutamate-induced oxidative stress via Wnt- β /catenin pathway in HT22 cells. *Brain Res Bull*. 2018 May;139:285-291. doi: 10.1016/j.brainresbull.2018.03.011. Epub 2018 Mar 26. PubMed PMID: 29588166.

Beltifa A, Feriani A, Macherki M, Ghorbel A, Ghazouani L, Di Bella G, Sire O, Van Loco J, Reyns T, Mansour HB. Persistent plasticizers and bisphenol in the cheese of Tunisian markets induced biochemical and histopathological alterations in male BALB/c mice. *Environ Sci Pollut Res Int*. 2018 Mar;25(7):6545-6557. doi: 10.1007/s11356-017-0857-6. Epub 2017 Dec 19. PubMed PMID: 29255980.

Futagi Y, Kobayashi M, Narumi K, Furugen A, Iseki K. Identification of a selective inhibitor of human monocarboxylate transporter 4. *Biochem Biophys Res Commun*. 2018 Jan 1;495(1):427-432. doi: 10.1016/j.bbrc.2017.10.025. Epub 2017 Oct 6. PubMed PMID: 28993194.

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