

Phenyl butyrate

Chemical Properties

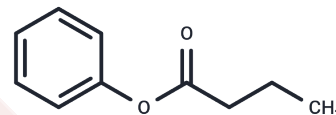
CAS No. : 4346-18-3

Formula: C₁₀H₁₂O₂

Molecular Weight: 164.2

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	Phenyl butyrate is a non-selective ERS inhibitor that attenuates angiotensin II-induced abdominal aortic aneurysm.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0901 mL	30.4507 mL	60.9013 mL
5 mM	1.218 mL	6.0901 mL	12.1803 mL
10 mM	0.609 mL	3.0451 mL	6.0901 mL
50 mM	0.1218 mL	0.609 mL	1.218 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

- Ni XQ, Lu WW, Zhang JS, Zhu Q, Ren JL, Yu YR, Liu XY, Wang XJ, Han M, Jing Q, Du J, Tang CS, Qi YF. Inhibition of endoplasmic reticulum stress by intermedin1-53 attenuates angiotensin II-induced abdominal aortic aneurysm in ApoE KO Mice. *Endocrine*. 2018 Jun 26. doi: 10.1007/s12020-018-1657-6. [Epub ahead of print] PubMed PMID: 29943223.
- Huang B, Siqueira WL, Cvitkovitch DG, Finer Y. Esterase from a cariogenic bacterium hydrolyzes dental resins. *Acta Biomater*. 2018 Apr 15;71:330-338. doi: 10.1016/j.actbio.2018.02.020. Epub 2018 Mar 1. PubMed PMID: 29496621; PubMed Central PMCID: PMC5899954.
- Estévez RA, Mostazo MGC, Rodriguez E, Espinoza JC, Kuznar J, Jónsson ZO, Guðmundsson GH, Maier VH. Inducers of salmon innate immunity: An in vitro and in vivo approach. *Fish Shellfish Immunol*. 2018 Jan;72:247-258. doi: 10.1016/j.fsi.2017.10.058. Epub 2017 Nov 8. PubMed PMID: 29108970.
- Wiersma M, Meijering RAM, Qi XY, Zhang D, Liu T, Hoogstra-Berends F, Sibon OCM, Henning RH, Nattel S, Brundel BJM. Endoplasmic Reticulum Stress Is Associated With Autophagy and Cardiomyocyte Remodeling in Experimental and Human Atrial Fibrillation. *J Am Heart Assoc*. 2017 Oct 24;6(10). pii: e006458. doi: 10.1161/JAHA.117.006458. PubMed PMID: 29066441; PubMed Central PMCID: PMC5721854.

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