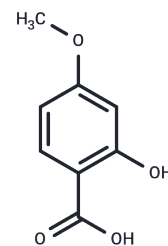


2-Hydroxy-4-methoxybenzoic acid

Chemical Properties

CAS No. :	2237-36-7
Formula:	C ₈ H ₈ O ₄
Molecular Weight:	168.15
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	2-Hydroxy-4-methoxybenzoic acid (2-Hydroxy-p-anisic Acid) is a predicted metabolite generated by BioTransformer1 that is produced by the metabolism of 3-(2-hydroxy-4-methoxyphenyl)propanoic acid. It is generated by unspecified-gutmicro enzyme via a beta-oxidation-of-carboxylic-acid reaction. This beta-oxidation-of-carboxylic-acid occurs in human gut microbiota.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 3 mg/mL (17.84 mM),Sonication is recommended. DMSO: 65 mg/mL (386.56 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (11.89 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.9471 mL	29.7354 mL	59.4707 mL
5 mM	1.1894 mL	5.9471 mL	11.8941 mL
10 mM	0.5947 mL	2.9735 mL	5.9471 mL
50 mM	0.1189 mL	0.5947 mL	1.1894 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

Fimognari, C., Lenzi, M., Ferruzzi, L., Turrini, E., Scartezzini, P., & Poli, F. et al. (2011). Mitochondrial Pathway Mediates the Antileukemic Effects of Hemidesmus Indicus, a Promising Botanical Drug. *Plos ONE*, 6(6), e21544. doi: 10.1371/journal.pone.0021544

Samy, R., Gopalakrishnakone, P., & Chow, V. (2012). Therapeutic application of natural inhibitors against snake venom phospholipase A2. *Bioinformation*, 8(1), 48-57. doi: 10.6026/9732063202008048

Zhang, Z., Zhang, X., Zhao, Z., Yan, R., Xu, R., Gong, H., & Zhu, H. (2012). Synthesis, biological evaluation and molecular docking studies of 1,3,4-oxadiazole derivatives as potential immunosuppressive agents. *Bioorganic & Medicinal Chemistry*, 20(10), 3359-3367. doi: 10.12016/j.bmc.2012.03.064

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481