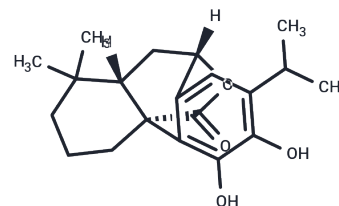


Carnosol

Chemical Properties

CAS No. :	5957-80-2
Formula:	C ₂₀ H ₂₆ O ₄
Molecular Weight:	330.42
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Carnosol is an Nrf2 activator, increasing Nrf2 levels and promoting heme oxygenase 1 (HMOX1) expression. It is a ribosomal S6 kinase (RSK2) inhibitor and can be used in gastric cancer-related research with an IC ₅₀ value of approximately 5.5 μM.
Targets(IC ₅₀)	Nrf2,Endogenous Metabolite,S6 Kinase

Solubility Information

Solubility	DMSO: 60 mg/mL(181.6 mM), Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0265 mL	15.1323 mL	30.2645 mL
5 mM	0.6053 mL	3.0265 mL	6.0529 mL
10 mM	0.3026 mL	1.5132 mL	3.0265 mL
50 mM	0.0605 mL	0.3026 mL	0.6053 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.

Reference

Wei Shi, Guang Xu, Xiaoyan Zhan, Yuan Gao, Zhilei Wang, Shubin Fu, Nan Qin, Xiaorong Hou, Yongqiang Ai, Chunyu Wang, Tingting He, Hongbin Liu, Yuanyuan Chen, Yan Liu, Jiabo Wang, Ming Niu, Yuming Guo, Xiaohe Xiao

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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