Rosmarinic acid

Catalog No: #S08744

Package Size: #S08744-1 1 g #S08744-2 1 mL #S08744-3 10 mg #S08744-4 100 mg #S08744-5 25 mg #S08744-6 50 mg #S08744-7 500 mg

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Rosmarinic acid
Other Names	Apoptosis;COMT;Endogenous Metabolite;EndogenousMetabolite;IkB;IkB/IKK;IKKβ;IKK;Inhibitor;IκB;inhibit;Labiatenic acid;Monoamine Oxidase;MonoamineOxidase;MAO;MAO-A;MAO-B;Rosemary acid;Rosmarinic acid;θΏ·θΏ-ι¦ ι Έ
Calculated MW	360.31
Storage	keep away from direct sunlight,keep away from moisture,store at low temperature . Powder: -20°C for 3 years . In solvent: -80°C for 1 year . Shipping with blue ice.

Application Details

ε ε-• εΟ• :C18H16O8Smile:C([C@@H](OC(/C=C/C1=CC(O)=C(O)C=C1)=O)C(O)=O)C2=CC(O)=C(O)C=C2DMLε• ·:MFCD00017740η'l—ε'l¦:99.25%ζΊΑθ§ £ε'l¦:H2O:36.03 mg/mL (100 mM);DMSO:72.07 mg/mL (200 mM);5% DMSO+95% Saline:1.5 mg/mL (4.16 mM)δ½ ε ζ´»ζ §:Rosmarinic acid(RA)ζ —ε'ΗΩζ³ ε- ε ¨δΊ ζ • η ©δ'Ε-η ι ι Έι —η±»ε ε• η ©οΟ ε° ε Άζ —ε ¨ε ε½'η§ θ• ζ ¬ζ • η ©δ'Ε-οΟ ε¦ θΩ·θΏ-ι¦ γ • δ Έ'Ηε• ε ε • ζ —θ• γ Rosmarinic acidι θΩ ε• ζ Άζ ε ΆNF-κBε STAT3η ζΩ ζ´»οΟ ε ¨DSS(η£'Ιι Έι)θ—±ε—Όη ε°• ιΟ δ'Ε-ζ ε Άη» θ η η γ ε ¨DSSθ—±ε—Όη η» θ η ζ¨'ε δ'Ε-οΟ Rosmarinic acid(30, 60mg/kgοΟ p.o.)η ε η• ζ ΄Υθ ε • θ½»δΊ η» θ ε ε-• η δΊ§η [3]γ δ½ ε ζ´»ζ §:Rosmarinic acid (RA) ε ¨δ½ ε ε± η °ε Ίδ'Ε η§• ε ε θ ½η Ήζ §οΟ ε ζ ¬ζ ζ°§ε ζ ζ οΟ δ» ε• ζ ε Άε• θ Ίζ°§ε ι ΆοΟ MAO-A ε MAO-BοΟ ε ε Ώθ Άι -O-η ²ε Ίθ½¬η§»ι ΆοΟ COMTοΟ γ ε ·δ½ θ θ¨ οΟ Rosmarinic acid ε—Ήή'Υ ε ΊοΟ HO(β ')οΟ ε δ'Ε ζ°§ε ζ° οΟ NOοΟ θ η ±ε Ίθ'¨η °ε Ίζ ζ°§ε δ½ η ¨οΟ ε ε «ε ·ζ 29.4 ΞΟΜ ε 140 ΞΟΜ η IC50οΟ οΟ ε'ΗΆδ'Ε θ ½ε ζ ε Άθ θ'¨θΩ ζ°§ε οΟ IC50 δ'Ε'Ι19.6 ΞΟΜοΟ [1]γ ζ- ε οΟ Rosmarinic acid (RA) ι θΩ ζΕ ι η ±UVBεΟ θ¨·η η» θ ε ROSοΟ ε• ζ ζ ΄Υθ η η» θ δΩ• ζ δ½ η ¨γ ε ¨η ¨Water2ε η• η η» θ δ'Ε-οΟ 2.5 ΞΟΜ Rosmarinic acid ε• —ζΕ ι 60%η η» θ ε ROS[2]γ η» θ ε ι :Rosmarinic acid (RA) is dissolved in DMSO and stored, and then diluted with appropriate media before use[2]. Human keratinocytes (HaCaT cells) are treated with Rosmarinic acid (0.625, 1.25, 2.5, or 5 ΞΟM) and exposed to UVB radiation 1 h later. They are then incubated at 37°C for 48 h. At this time, MTT is added to each well to obtain a total reaction volume of 200 ΞΟL. After 4 h incubation, the supernatant is removed by aspiration. The formazan crystals in each well are dissolved in dimethyl sulfoxide (DMSO; 150 ΞΟL), and the absorbance at 540 nm is measured on a scanning multi-well spectrophotometer[2].ι• Άη Ήζ´»ζ §:IKKβ:12 ΞΟΜδΩ'ε• ·ι θ·—:δ»£θ°'|δ»£θ°'|δ»£θ°'|ε δΊ'|η η»• η§ ε-¦|NF-κB δΩ'ε• ·ι θ·—|η η»• η§ ε-¦ι• Άη Ή:Apoptosis|MAO|IκB/IKK|Endogenous Metabolite|Transferase|Monoamine Oxidase

Note: This product is for in vitro research use only and is not intended for use in humans or animals.