



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;IkB;inhibit;Labiatic acid;Monoamine Oxidase;MonoamineOxidase;MAO;MAO-A;MAO-B;Rosemary acid;Rosmarinic acid;θΩ·θΩ-ι ι 'E
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• εO• :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|—ε|!;99.25%ζ|Aθ\$ £ε|!;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'HΩζ³ ε- ε 'δ| ζ • η ©δE-η ι ι 'Eι —η±»ε ε• η ©οO ε° ε Aζ —ε 'ε ε½η§ θ• ζ -ζ • η ©δE-οO ε| θΩ·θΩ-ι| γ • δ 'EHe• ε ε • ζ —θ• γ Rosmarinic acidι θΩ ε• ζ Aζ ε ANF-kBε STAT3η ζΩ ζ'»οO ε 'DSS(η£|ι 'Eι)θ—±ε—Oη ε° ιO δE-ζ ε 'Aη» θ η η γ ε 'DSSθ—±ε—Oη η» θ η ζ'ε δE-οO Rosmarinic acid(30, 60mg/kgοO p.o.)η ε η• ζ 'Yθ ε • θ½»δ| η» θ ε ε• η δ|§η [3]γ δ½ ε ζ'»ζ §:Rosmarinic acid (RA) ε 'δ½ ε ε± η °ε 1δE η§• ε ε θ ½η 'Hζ §οO ε ζ -ζ ζ°§ε ζ ζ οO δ» ε• ζ ε Ae• θ 1ζ°§ε ι AoO MAO-A ε MAO-BοO ε ε Ωθ 'Aι -O-η °ε 1θ½-η§»ι AoO COMToO γ ε δ½ θ θ' οO Rosmarinic acid ε—Hη'Y ε 1οO HO(β ')οO ε δE ζ°§ε ζ° οO NOοO θ η ±ε 1θ''η °ε 1ζ ζ°§ε δ½ η 'οO ε ε «ε ·ζ 29.4 ΞOM ε 140 ΞOM η IC50οO οO ε'HAδE θ ½ε ζ ε 'Aθ θ''θΩ ζ°§ε οO IC50 δ'E119.6 ΞOMοO [1]γ ζ- ε οO Rosmarinic acid (RA) ι θΩ ζE ι η ±UVBεO θ''η η» θ ε ROSοO ε• ζ ζ 'Yθ η η» θ δΩ·ζ δ½ η 'γ ε 'η 'Water2ε η• η η» θ δE-οO 2.5 ΞOM Rosmarinic acid ε• —ζE 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 ΞOM) 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 ΞOL. After 4 h incubation, the supernatant is removed by aspiration. The formazan crystals in each well are dissolved in dimethyl sulfoxide (DMSO; 150 ΞOL), and the absorbance at 540 nm is measured on a scanning multi-well spectrophotometer[2].ι• Aη 'Hζ'»ζ §:IKKβ:12 ΞOMδΩ'ε• ι θ—:δ»£θ''|δ»£θ''|δ»£θ''|ε δ|'η η»• η§ ε-|!NF-kB δΩ'ε• ι θ—|η η»• η§ ε-|ι• Aη 'H:Apoptosis|MAO|IkB/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.