Scutellarin

Catalog No: #S08822

Package Size: #S08822-1 1 mL #S08822-2 10 mg #S08822-3 100 mg #S08822-4 25 mg #S08822-5 50 mg

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

Description

Product Name	Scutellarin
Other Names	Akt;Breviscapin;Breviscapine;Breviscapinun;HIV Protease;HIVProtease;HIV;ı » θ ©θ ·;STAT;Scutellarein-7-glucuronide
Calculated MW	462.36
Storage	keep away from direct sunlight . Powder: -20°C for 3 years . In solvent: -80°C for 1 year . Shipping with blue ice.

Application Details

ε ε-• εΌ• :C21H18O12Smile:O[C@H]1[C@H](Oc2cc3oc(cc(=O)c3c(O)c2O)-c2ccc(O)cc2)O[C@@H]([C@@H](O)[C@@H]1O)C(O)=ODMLε• ·:MFCD0186 1503ηΊ—ε'Ι¦:98.67%ζΊΆθ§£ε'Ι¦:H2O:insoluble;DMSO:50 mg/mL (108.14 mM)δ½ ε ζ´»ζ §:ScutellarinoΌ 50 mg/kg/ζ oΌ ζ ΄Yθ ε • θ½»δΊ HCCθ Ώη η θ Ίι ¨ε θ • ε θ½¬η§»γ δΈ ε—Ήη §η» η ΈΖ— oΌ ζ ε• Scutellarinζ²»η η η» δΈ-θ Ίι ¨ε θ • ε θ½¬η§»θ Ώη η ζ °ι • ζ ΄Yθ ε • ε° [1]γ δΈ SAHη» η ΈΖ— oΌ ζ ε• Scutellarinζ²»η η ε §ίΟ ε ¨η η»• θ' δΈΙηΌΊι ·ζ Ήι• 'ζ ΄Yη Ίε Ίζ ΄Yθ η ηΌ θ§£γ Scutellarinδ΄Ε SAHε §ίΟ η ΈΖ— ε' εΌΊδΊ eNOSθ¨΄Θ΄Υ΄Υ[4]γ δ½ ε ζ´»ζ §:Scutellarin ε η• ζ ζ ΄Yδ» ε ι • δ΄Υ• θ¨ η ζ ΉέΟ• ι • δ½ δΊ HepG2η» θ η ζ´»ζ §γ ε ¨δ½ ε oΌ ε θΏ ζ ε Άδ΄Ι HCCη» θ η θΏ • η§»ε δ΄Υ¨θ'-γ Scutellarin

ε η• ζ ΄Yθ ε • ε° δΊ HCCη» θ δ΄Ε-STAT3ε θ ε ¨θ η ½δ΄Ε• η ζ' ζ'• (Girdin)θ¨΄Θ΄Υ΄Υγ • STAT3ε Aktη η£·ι Έε γ STAT3θΏ θ¨΄Θ΄Υ΄Υη εΌ ε ζ• 'ε • δΊ Scutellarin

ι • δ½ η Girdinθ¨΄Θ΄Υ΄Υγ • AktζΩ ζ´»γ • HCCη» θ η θΏ• η§»ε δ΄Υ¨θ'-γ ζ- ε oΌ Girdinθ΄Ω θ¨΄Θ΄Υ΄Υη θ—±ε—Όε ε ¨ζΑ ι δΊ Scutellarin ε—ΉHCCη» θ Aktη£·ι Έε γ • θΏ• η§»ε δ΄Υ¨θ'-η ζ ε Άδ½ η ¨γ Scutellarin

ι θΏ δ΄Ε θ° STAT3/Girdin/AktδΩ'ε• ·ι θ·—ζ ε ΆHCCη» θ δ½ ε ε η θ½¬η§»γ • θΏ• η§»ε δ΄Υ¨θ'-[1]γ Scutellarin

ι ζ ©ζ §ε' εΌΊδΊ Aktη£·ι Έε [2]γ Scutellarin

δ½ δ΄ΕΊδ΄Ε η§• ζ½ ε ¨η ζ²»η ε oΌ ε δ΄Ε• δ» ε• —δ» ζ ε Άε΄Υ θ Άθ¨¨η» θ η ζ´»ε oΌ δ» θ ζ Ήε η η»• η η oΌ θ Ώ ε• —δ» ε' εΌΊζ ε½'θ Άθ¨¨η» θ ε• • ε'Ι γ ι θΏ δ΄Ε θ° ε ζ ¬η η»• θ• ε »ε ε-• ε ¨ε η θ¨΄Θ΄Υ΄ΥοΌ Scutellarin

ζ ΄Υε §δΊ ζ ε½'θ Άθ¨¨η» θ η ε• • ε'Ι oΌ ζ ΄Yη Ίε Άη η»• δΩ• ζ δ½ η ¨γ ε Όε΄Υ ζ³¨ζ • η ζ —oΌ Scutellarin

ε—Ήε• • ε'Ι ζ §ζ ε½'θ Άθ¨¨η» θ η ε½±ε • ζ —ι θΏ ζΩ ζ´»η ε΄Υ θ Άθ¨¨η» θ δ» ε—Όη oΌ ζ —ζ • δ΄Ε η§• θ Άθ¨¨η» θ η±»ε δΗ ι ΄η ε θ ½ζ §β δΊ ζ'• β • [3]γ Scutellarin

θ ½ε ζ ε ΆRANKLδ» ε—Όη ζ • ι ¨η» θ ε½'ζ • γ • ζ • ι ¨η» θ η ι ¨ε• Έζ Άε θ ½δ» ε• η Ήε ζ • ι ¨η» θ ε Ίε oΌ θ • ι Έζ §η£·ι Έι ΆοΟ TRAPοΌ γ • η «ι ΆΚγ • c-Fosγ • NFATc1oΌ η θ¨΄Θ΄Υ΄Υζ°΄ε'Η³γ ΘΩ δ΄Ε ζ- η η η©ΆΘ¨¨ζ oΌ Scutellarin

θ ½ε ζ ε ΆRANKLδ» ε—Όη MAPKε NF-κBδΩ'ε• ·ι θ·—oΌ ε ζ ¬JNK1/2γ • p38γ • ERK1/2ε IκBαη η£·ι Έε [5]γ η» θ ε ι :HepG2 cells (1Γ 105/well) are cultured in 96-well plates and treated in triplicate with scutellarin at concentrations of 5, 10, 20, 30, and 100 ΞΟM or vehicle alone for 24 h. The cellular viability is tested by 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide (MTT) assay, and is expressed as a percentage of proliferation versus controls.δΩ'ε• ·ι θ·—:PI3K/Akt/mTOR

δΩ'ε• ·ι θ·—|η» θ ι ¨ζ Α|ε΄Υ η η ©ε-¦|ε'Η²η» θ |θ η ½ι Άδ½ |JAK/STAT δΩ'ε• ·ι θ·—ι• Άη Ή:STAT|Akt|HIV Protease

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