

Catharanthine

Catalog No: #S08800



Package Size: #S08800-1 1 mL #S08800-2 100 mg #S08800-3 25 mg #S08800-4 50 mg #S08800-5 500 mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Catharanthine
Other Names	Calcium Channel;Ca ²⁺ channels;Ca channels;CalciumChannel;Catharanthine;(+) -3, 4-Didehydrocoronaridine;(+) -3,4-Didehydrocoronaridine;3,4-Didehydrocoronaridine;3, 4-Didehydrocoronaridine;inhibit;Inhibitor;nAChR;ι Ωζ η±;ι Ωζ θ''η±
Calculated MW	336.43
Storage	store at low temperature,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• εO• :C₂₁H₂₄N₂O₂Smile:C(OC)(=O)[C@@]12[C@@]3([N@@](CC(C1)(C=C3CC)[H])CCC4=C2NC=5C4=CC=CC5)[H]DMLε• :MFCD01753356η|—ε
 1;99.55%ζ|Aθ§£ε|;Ethanol:1 mg/mL (2.97 mM);DMSO:40 mg/mL (118.9 mM);H₂O:< 1 mg/mL (insoluble or slightly soluble)δ½ ε ζ'»ζ §:Catharanthine
 ε 'ε §|O ε° θ ε Αε δE-εO θ'·ε 'ε·θ η±ε· ε| η ζ' ε|δY· θ' ζ §ε · εO±oO ε—Oθ 'ζ ²η|Ωε· ε· ³η§»ε 'ε ζ ε §ζΩ ε 'ε ε· ε|
 η ε· ε° γ θ ζ'Hη ³ε δE ajmalicineε Catharanthineη ζ·ε η ©ζ 'Yη 1ε 1ε—'HδH ι °θ η±ι —ι Α(AchE)η ζ' ε|δY· θ' ζ §ζ
 ε Αδ½ η 'oO ε ΑIC50η|δ'E12.25 ≡Og/mLγ [1]
 Catharanthineθ ½θ—±ε—O tubulinθ ζ η» ε· ζ · η|Ωζ §ζ ι · θ· ε· δ½ oO ε Αζ θ ½ζ —vinblastineζ vincristineη 75%γ Catharant
 hineδE tubulin alpha-betaδ| θ· δ½ η» ε· η ε'E'Eζ °δ'E12.8 mMγ [2]
 Catharanthineε 1ζΩ δ» θ °θ 1η ζ 'ι ζ 'Yζ· η² ι ΑoO ε'HAε—Oθ 'θ °θ 1θ 1ζ³η» θ ε'HΩζ³ θ ±ι η² oO δO'ι · ι« ε° ε 1δ½ ε 1ε θ
 η ©θ''η η§—η'—γ δE bethanecholη 'Eζ— oO Catharanthineθ—±ε—Oδ» ι' ζ θ °η θ °θ 1η ζ 'ε»AθΩ ι ζ 'YCa²⁺γ [3]
 Catharanthineδ» ι· η« δ| ζ §ζ 'HeO· ζ ε Αε 'TE671-α, -β, -γ, -δη» θ δE-epibatidineθ—±ε—Oη Ca(2+)ζ'· ε oO IC50ε '17 mM-25
 mMδH ι 'γ Catharanthineζ ε Α[3H]TCPδE θ ±ζ · η Αζ · η 'ι³ AChRη η» ε· oO η 'Eζ— ι· ζ· —η Αζ · AChRe ·ζ ζ 'ι« δ|²ε ε
 γ Catharanthineε' εO1δ| [3H]cytisineδE ι· ζ· —δ½ ε· —ζΩ ζ'»η η 'ι³ AChRη η» ε· oO θ''ζ ε Αε ·ζ θ ±ζ · ζ §θ''γ [4]ι· Αη
 'Hζ'»ζ §:nAChR:59.6 ≡OMδO'ε· ι θ·—:δ»£θ''|η|»ε· ι ι· |η η»· η§ ε-|ι· Αη 'H:AChR|Calcium Channel

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