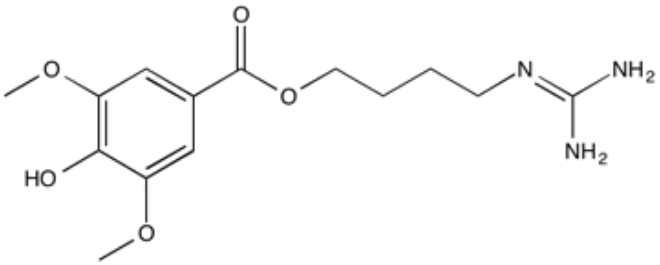
Catalog # 10-3193
Leonurine

CAS# 24697-74-3

4-guanidinobutyl 4-hydroxy-3,5-dimethoxybenzoate

SCM-198

Lot # X106524



Inhibits microglial overactivation and attenuates Aβ(1-40)-induced cognitive impairments in rats via JNK and NF-κB pathways.[1] Inhibits the formation of advanced glycation end products.[2] Ameliorates cognitive dysfunction by antagonizing exocytotoxic glutamate insults and inhibiting autophagy.[3] Attenuates myocardial fibrotic response via inhibition of NADPH oxidase 4.[4] Attenuates early atherosclerotic lesions in hypercholest-erolemic rabbits via modulation of the inflammatory and oxidative stress pathways.[5]

1) Hong *et al*. (2014), *SCM-198 inhibits microglial overactivation and attenuates AB(1-40)-induced cognitive impairments in rats via JNK and NF-kB pathways*; J. Neuroinflammation, **11** 147
2) Huang *et al*. (2015), *Inhibitory effect of leonurine on the formulation of advanced glycation end products*; Food Funct., **6** 584
3) Liu *et al*. (2016), *Leonurine ameliorates cognitive dysfunction via antagonizing excitotoxic glutamate insults and inhibiting autophagy*; Phytomedicine, **23** 1638
4) Liu *et al*. (2013), *Leonurine (SCM-198) attenuates myocardial fibrotic response via inhibition of NADPH oxidase 4*; Free Radic. Biol. Med., **54** 93
5) Zhang *et al*. (2012), *SCM-198 attenuates early atherosclerotic lesions in hypercholesterolemic rabbits via modulations of the inflammatory and oxidative stress pathways*; Atherosclerosis, **224** 43

PHYSICAL DATA

Molecular Weight:	311.33
Molecular Formula:	$C_{14}H_{21}N_3O_5$
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (up to 30 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied, desiccated at -20°C for up to 1 year from the date of purchase.
	Solutions in DMSO may be stored at -20°C for up to 1 month.

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