Available online at www.jbr-pub.org.cn

Open Access at PubMed Central

The Journal of Biomedical Research, 2022 37(0): 1–1

JBR

Supplementary Data

The new antioxidant 1-benzoyl-6-hydroxy-2,2,4-trimethyl-1,2-dihydroquinoline has a protective effect against carbon tetrachloride-induced hepatic injury in rats

Evgenii Dmitrievich Kryl'skii[1,✉], Darya Andreevna Sinitsyna[1], Tatyana Nikolaevna Popova[1], Khidmet Safarovich Shikhaliev[2], Svetlana Mikhajlovna Medvedeva[2], Larisa Vladimirovna Matasova[1], Valentina Olegovna Mittova[3]

[1]*Department of Medical Biochemistry and Microbiology, Voronezh State University, Voronezh, Voronezh region 394018, Russia;*
[2]*Department of Organic Chemistry, Voronezh State University, Voronezh, Voronezh region 394018, Russia;*
[3]*Department of Clinical Laboratory Diagnostics, Voronezh State Medical University named after N.N. Burdenko, Voronezh, Voronezh region 394036, Russia.*

Supplementary Table 1 **Quality indicators of the laboratory animal diets**

Quality indicator	Content (wt%)
Crude protein	14.71
Raw fat	4.74
Crude fiber	9.42
Lysine	0.53
Methionine+cystine	0.39
Threonine	0.37
Tryptophan	0.19
Calcium	0.87
Phosphorus	0.94
Digestible phosphorus	0.39
Sodium	0.25
Sodium chloride	0.62

Ingredients of food for laboratory animals: barley, oats, wheat bran, meat and bone meal, table salt, and lime flour.

Supplementary Table 2 **Primers used for quantitative reverse transcription PCR**

Genes	Primer sequence (5′-3′)
Sod1	Forward: CCAGCGGATGAAGAGAGG
	Reverse: GGACACATTGGCCACACC
Cat	Forward: CAGCGACCAGATGAAGCA
	Reverse: GGTCAGGACATCGGGTTTC
Nfe2l2	Forward: GCCTTGTACTTTGAAGACTGTATGC
	Reverse: GCAAGCGACTGAAATGTAGGT
Foxo1	Forward: AGATCTACGAGTGGATGGTGAAGAG
	Reverse: GGACAGATTGTGGCGAATTGAAT
Gsta2	Forward: CGGGAATTTGATGTTTGACC
	Reverse: AGAATGGCTCTGGTCTGTGC
Gpx1	Forward: TTTCCCGTGCAATCAGTTC
	Reverse: GGACATACTTGAGGGAATTCAGA
Gsr	Forward: TTCCTCATGAGAACCAGATCC
	Reverse: CTGAAAGAACCCATCACTGGT
Gapdh	Forward: CCCTCAAGATTGTCAGCAATG
	Reverse: AGTTGTCATGGATGACCTTGG
Actb	Forward: CCCGCGAGTACAACCTTCT
	Reverse: CGTCATCCATGGCGAACT

✉Corresponding author: Evgenii Dmitrievich Kryl'skii, Department of Medical Biochemistry and Microbiology, Voronezh State University, Universitetskaya sq. 1, Voronezh, Voronezh region 394018, Russian Federation. Tel: +7-473-2281160 ext. 1111, E-mail: evgenij.krylsky@yandex.ru.

Received: 30 April 2022; Revised: 30 June 2022; Accepted: 06 July 2022; Published online: 28 July 2022

CLC number: R965, Document code: A

The authors reported no conflict of interests.

https://doi.org/10.7555/JBR.36.20220098