

Activities of extracts from saponin-containing plants on sheep erythrocytes, Tetrahymena pyriformis and Rumen protozoa

Submitted by Emmanuel Lemoine on Wed, 12/04/2013 - 16:28

Titre	Activities of extracts from saponin-containing plants on sheep erythrocytes, Tetrahymena pyriformis and Rumen protozoa
Type de publication	Communication
Type	Communication par affiche dans un congr�s
Ann�e	2012
Langue	Anglais
Date du colloque	28-31/07/2012
Titre du colloque	International Congress on Natural Products Research on Global Change, Natural Products and Human Health/8th Joint Meeting of AFERP, ASP, GA, PSE and SIF
Num�ro	11
Volume	78
Auteur	Budan, Alexandre [1], Bellenot, Denis [2], Wident, M [3], Saunier, Monique [4], Chicoteau, Pierre [5], Guilet, David [6], Richomme, Pascal [7]
Pays	Etats-Unis
Editeur	Planta Medica
Ville	New-York
R�sum� en anglais	<p>As the effects of saponins in the rumen are due to their membrane-disrupting ability on protozoa, the activities of extracts from saponin containing plants were determined on erythrocytes, Tetrahymena pyriformis and rumen protozoa. Inhibition of Tetrahymena pyriformis were found to be correlated ($R^2=0.54$) with 50% hemolysis. The extracts supplemented to a standard feed, showed null to remarkable in vitro activity on rumen protozoa. With -51% and -41% protozoa inhibition, Primula veris and Chenopodium quinoa might have the potential to improve ammonia utilization in ruminants, meaning less excreted nitrogen and less environmental impact.</p>
URL de la notice	http://okina.univ-angers.fr/publications/ua6 [8]
DOI	10.1055/s-0032-1321063 [9]
Lien vers le document en ligne	http://dx.doi.org/10.1055/s-0032-1321063 [9]

Liens

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- [9] <http://dx.doi.org/10.1055/s-0032-1321063>

Publié sur *Okina* (<http://okina.univ-angers.fr>)