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Effects of hydro-ethanolic extract of berberis vulgaris fruit on rabbit isolated heart	Yazdanparast, R., Bahramikia, S. Evaluation of the effect of Anethum graveolens L. crude extracts on serum lipids and lipoproteins profiles in hypercholesterolaemi rats (2008) Daru
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Several therapeutic effects including antimicrobial, antidiarrhea, hepatoprotection and cardiotonic	Related documents
for Berberis vulgaris have been described. In the present study, the effects of hydro-ethanolic extract of Berberis vulgaris on the rate and contractility of isolated heart were examined. The heart mounted on a modified Langendorff apparatus and circulation was perfused through aorta	Showing the 2 most relevant related documents by all shared references:
Heart rate and contractility were determined in the presence of four concentrations of hydro- ethanolic extract (0.5, 1.0, 2.0 and 5.0 mg/100ml) and diltiazem, a calcium channel blocker (0.1, 1,10 and 100 μ M) in comparison with baseline values in two different groups of experiments as follows: 1) Perfused heart with normal Krebs solution (group1 experiments, n=10). 2) Perfused	Boskabady, M.H., Vatanprast, A., Parsee, H. Effect of aqueous-ethanolic extract from Rosa damascena on guinea pig isolated heart (2011) Iranian Journal of Basic Medical Sciences Cicero, A.F., Ertek, S. Metabolic and cardiovascular effects of berberine: From preclinical evidences to clinical trial results (2009) Clinical Lipidology
heart with calcium free Krebs solution (group 2 experiments, n=9). In group 1 only 3 highest concentrations of diltiazem showed significant reduction in heart rate (p<0.05 to P<0.001). However, 3 highest concentrations of diltiazem showed significant decrease and the last 2 concentrations of hydro-ethanolic extract increased heart contractility significantly (p<0.01 to	
P<0.001). In group 2 only the last concentration of diltiazem showed significant reduction in heart rate and contractility (p<0.05). The relationship between concentrations of hydro-ethanolic extract and heart rate in both group were negative (p<0.01 to p<0.001). However, there was positive	View all related documents based on all shared references or select the shared references to use Find more related documents in Scopus based on:
correlation between concentrations of hydro-ethanolic extract and heart contractility. These results showed that of hydro-ethanolic extract of Berberis vulgaris has strong effect on heart contractility. The results of the present study may also indicate an activation of the calcium channel of	Authors Keywords
isolated heart by the extract.	
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Author keywords	Glutamate injection into the cuneiform nucleus in rat,
Berberis vulgaris; Calcium channel blocker; Isolated heart; Rabbit	produces correlated single unit activities in the kolliker- fuse nucleus and cardiovascular responses
Indexed Keywords	Roskabady M.H. Tabanfar, H. Gholamnezhad, Z. Sadeghnia
EMTREE drug terms: alkaloid; calcium; calcium channel; diltiazem; ethanolic extract of berberis	H.R.
vulgaris; unclassified drug	Inhibitory effect of Zataria multiflora Boiss and
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