

REVUE ROUMAINE DE CHIMIE (ROUMANIAN JOURNAL OF CHEMISTRY)

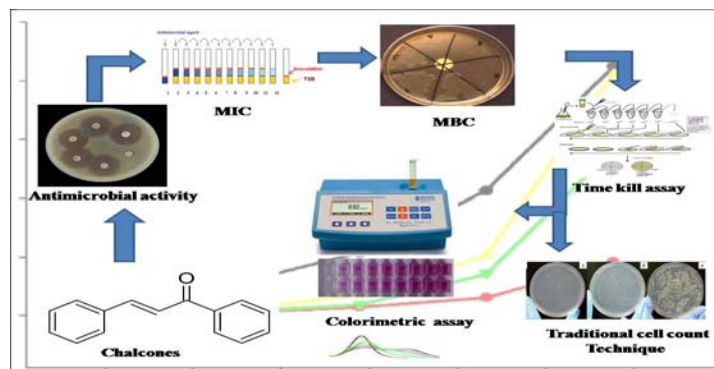
Tome 63, N° 3

Mars 2018

PAPERS

Sunnapu PRASAD, Saleshier M. FRANCIS,
S. KRISHNAN and P. BHARATHI

Synthesis, spectroscopic studies, antibacterial activity of chalcones and colorimetric evaluation of the time-killing assay for newly synthesized chalcones using resazurin

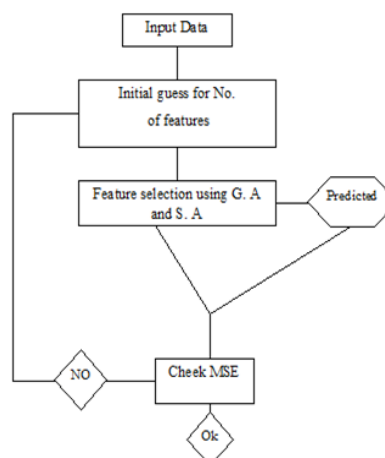


Key words: chalcones, Time-Killing Assay, colorimetry assay, resazurin, pharmacokinetic profile.

Rev. Roum. Chim., 2018, 63(3), 161-169

Robabeh SAYYADIKORDABADI and
Asghar ALIZADEHDAKHEL

Feature extraction using linear and nonlinear QSAR study on several taxol derivatives as anticancer drugs

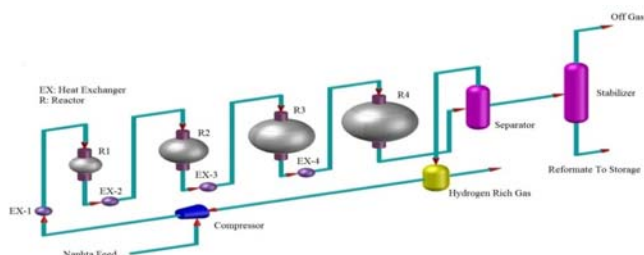


Key words: paclitaxel, antitumor drugs, QSAR, genetic algorithm.

Rev. Roum. Chim., 2018, 63(3), 171-180

Tayeb Fakhreddine BOUKEZOULA,
Lahcene BENCHEIKH and Meriem CHENOUF

Industrial analysis of catalytic reforming reactors

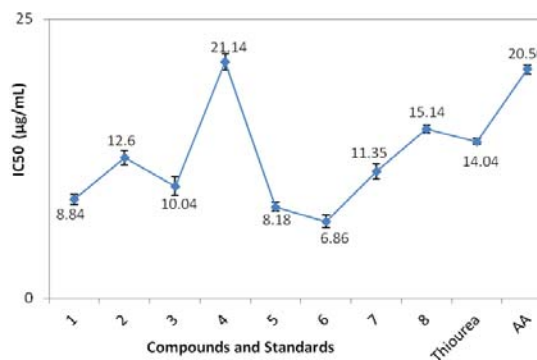
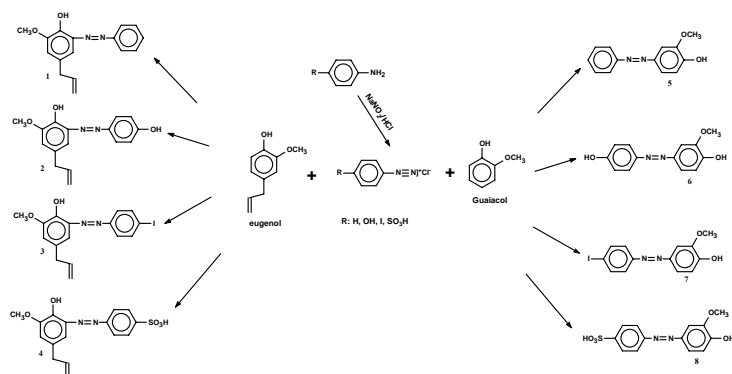


Key words: catalytic reforming, octane number, bifunctional catalyst, activity, selectivity.

Rev. Roum. Chim., 2018, 63(3), 181-187

**Cihan KANTAR, Nimet BALTAŞ,
Şengül Alpay KARAOĞLU and Selami ŞAŞMAZ**

Some azo dyes containing eugenol and guaiacol synthesis, antioxidant capacity, urease inhibitory properties and anti-*Helicobacter pylori* activity

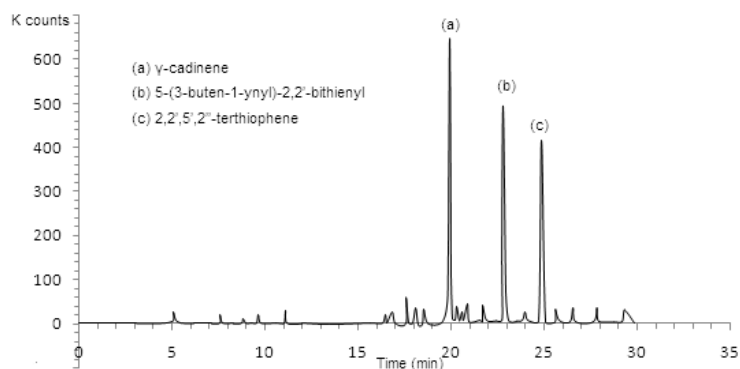


Rev. Roum. Chim., 2018, 63(2), 189-197

Key words: azo dyes, urease inhibitory, anti-*Helicobacter pylori*.

**Amira YAHYAOU, Olfa KHEDHER,
Ghayth RIGANE,
Ridha BEN SALEM and Younes MOUSSAOUI**

Chemical analysis of essential oil from *Echinops spinosus* L. roots: antimicrobial and antioxidant activities

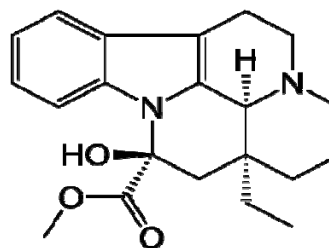


Key words: *Echinops spinosus*, antimicrobial activity, GC-MS and essential oil.

Rev. Roum. Chim., 2018, 63(3), 199-204

**Imeda RUBASHVILI,
Natela KHARUKHNISHVILI and
Khatuna MAKHARADZE**

Vincamine residues analysis using HPLC and establishing limits of cross-contamination in support of cleaning validation

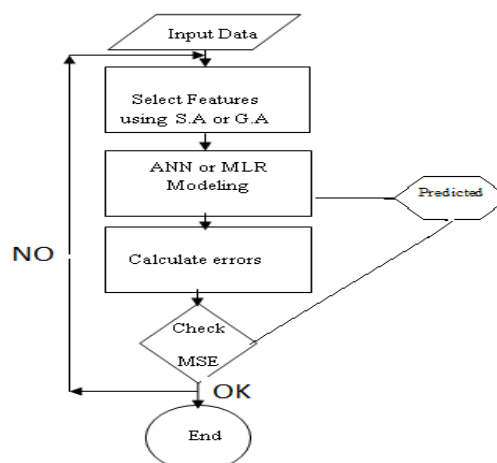


Rev. Roum. Chim., 2018, 63(3), 205-215

Key words: vincamine, swab and rinse sampling, HPLC, cleaning validation.

Robabeh SAYYADIKORDABADI,
Asghar ALIZADEHDAKHEL,
Gholam Reza NAJAFI and
Mehrnaz MASOMPARAST

QSAR investigation on the feature selection
of the letrozole derivatives as anticancer drugs

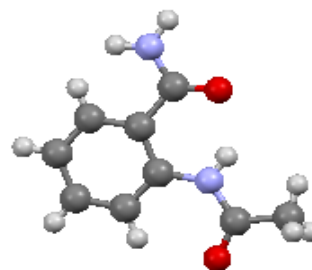


Rev. Roum. Chim., 2018, 63(3), 217-226

Key words: letrozole drugs, GA algorithm, QSAR, MLR.

Muhammad SARFRAZ, Nargis SULTANA,
Muhammad JAMIL and
Muhammad Ilyas TARIQ

Synthesis, *in silico* study and cholinesterases
inhibition activity of
2-substituted 2,3-dihydroquinazolin-4(1H)-one
derivatives

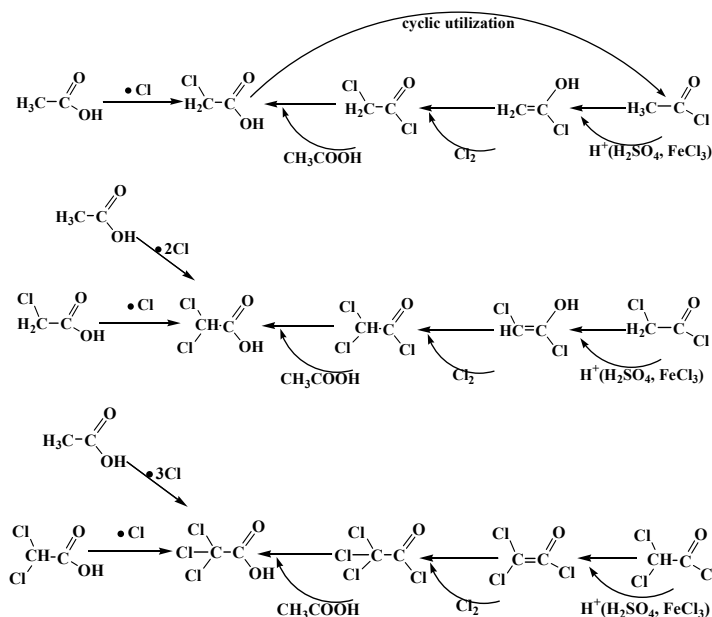


Key words: AChE/BChE, cholinesterase inhibitors, Alzheimer's disease,
cyclo-condensation.

Rev. Roum. Chim., 2018, 63(3), 227-234

Jisheng LIU, Xiaoquan CHEN, Da XUE, Xi LIU,
Jianwei XUE, Fuxiang LI and Zhiping LV

Mechanism of chlorination process: from acetic acid
to monochloroacetic acid and byproducts using
acetic anhydride as catalyst

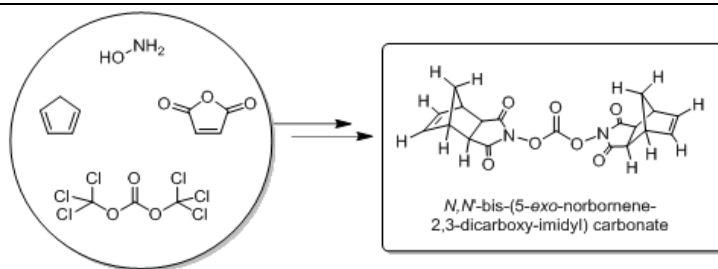


Key words: acetic anhydride, monochloroacetic acid, ionic chlorination
mechanism, consecutive reaction.

Rev. Roum. Chim., 2018, 63(3), 235-244

Elena MAFTEI, Catalin V. MAFTEI,
Matthias FREYTAG, M. Heiko FRANZ,
Thomas BANNENBERG and Ion NEDA

Clarification of stereochemistry aspects for *N*-hydroxy-5-norbornene-2,3-dicarboximide derivatives and elucidation of them by experimental and theoretical investigations, including the synthesis of *N,N*-bis-(5-*exo*-norbornene-2,3-dicarboxyimidyl) carbonate



Key words: *N,N'*-bis(5-norbornene-2,3-dicarboxyimidyl) carbonate, *endo/exo*-isomerism, theoretical calculations (DFT), molecular structure, X-ray.