

NOBLE METAL RANEY CATALYSTS AND PREPARATION OF HYDROGENATED
COMPOUNDS THEREWITH

ABSTRACT OF THE DISCLOSURE

Noble metal, particularly ruthenium, Raney catalysts
5 which can hydrogenate (1) aromaticity-exhibiting ring
portions of organic compounds, (2) carboxylic acids and
their ester portions (carbonyl ester groups), (3) ring
portions and carboxylic acid or their ester groups in
compounds having such ring portions and carboxylic acid or
10 their ester portions, and (4) ring portions and nitrile
groups of aromatic nitrile compounds and methods for the
preparation of corresponding hydrogenated compounds. The
methods allow preparation of hydrogenated compounds having
hydrogenated aromatic ring portions, hydrogenated carbonyl
15 ester groups, hydrogenated aromatic ring and carbonyl ester
groups, or hydrogenated aromatic rings and nitrile groups
under milder hydrogen pressure and temperature conditions
than the conventional catalysts.

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