Abstract

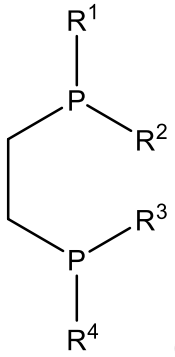
Process for the hydroformylation of olefins using a cobalt precatalyst and a diphosphine ligand.

There is provided a process comprising the process steps of:

a) adding an olefin;

b) adding a cobalt precatalyst;

c) adding a ligand (L) having the structure (**I**):



(**I**),

where R^1, R^2, R^3, R^4 are selected from:

-H, -(C_1-C_{12})-alkyl, -(C_6-C_{20})-aryl;

wherein the ligand is added in a molar ratio to cobalt of L/Co = < 0.95/1;

d) supplying of syngas;

e) heating the reaction mixture from a) to d), to convert the olefin into an aldehyde.

[No figure]