Fig. 1

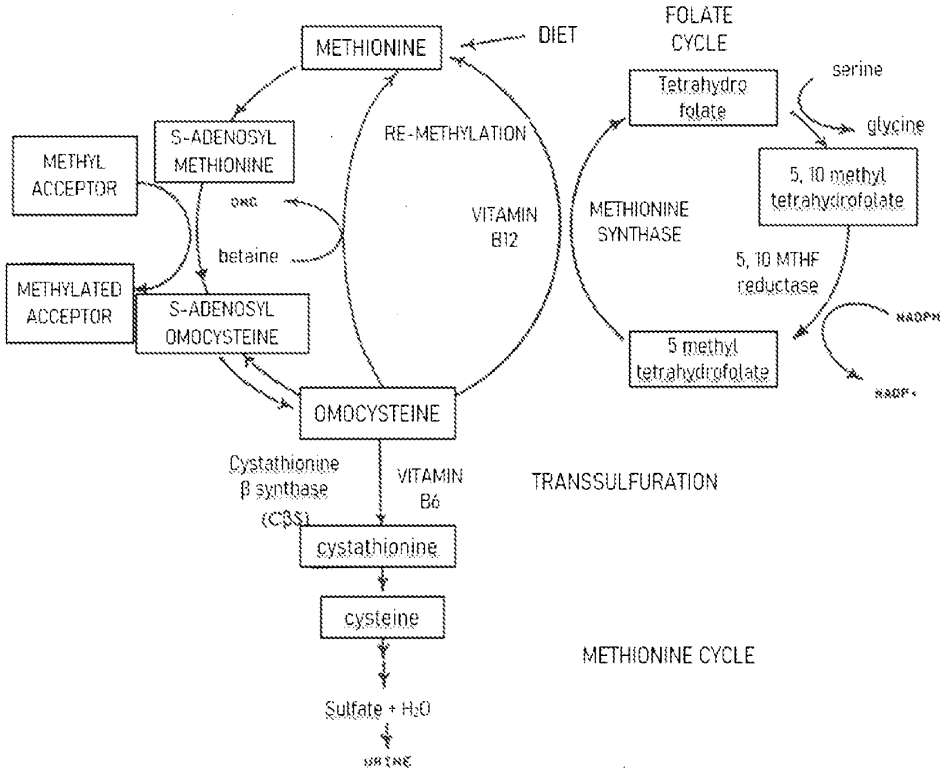

METHIONINE
DIET
FOLATE CYCLE
S-ADENOSYL METHIONINE
RE-METHYLATION
Tetrahydro folate
serine
glycine
METHYL ACCEPTOR
5, 10 methyl tetrahydrofolate
VITAMIN B12
METHIONINE SYNTHASE
betaine
5, 10 MTHF reductase
METHYLATED ACCEPTOR
S-ADENOSYL OMOCYSTEINE
5 methyl tetrahydrofolate
OMOCYSTEINE
Cystathionine β synthase (CBS)
VITAMIN B6
TRANSSULFURATION
cystathionine
cysteine
METHIONINE CYCLE
Sulfate + H2O

Fig. 2

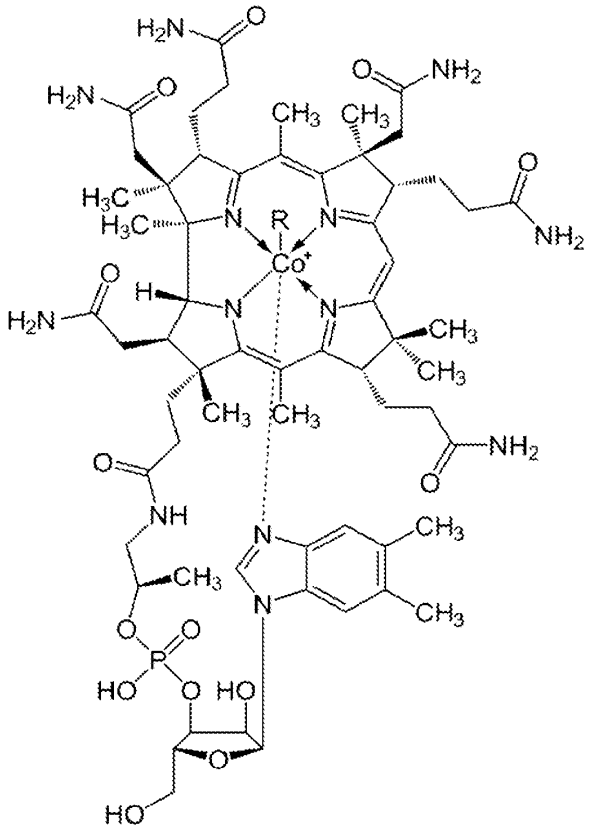
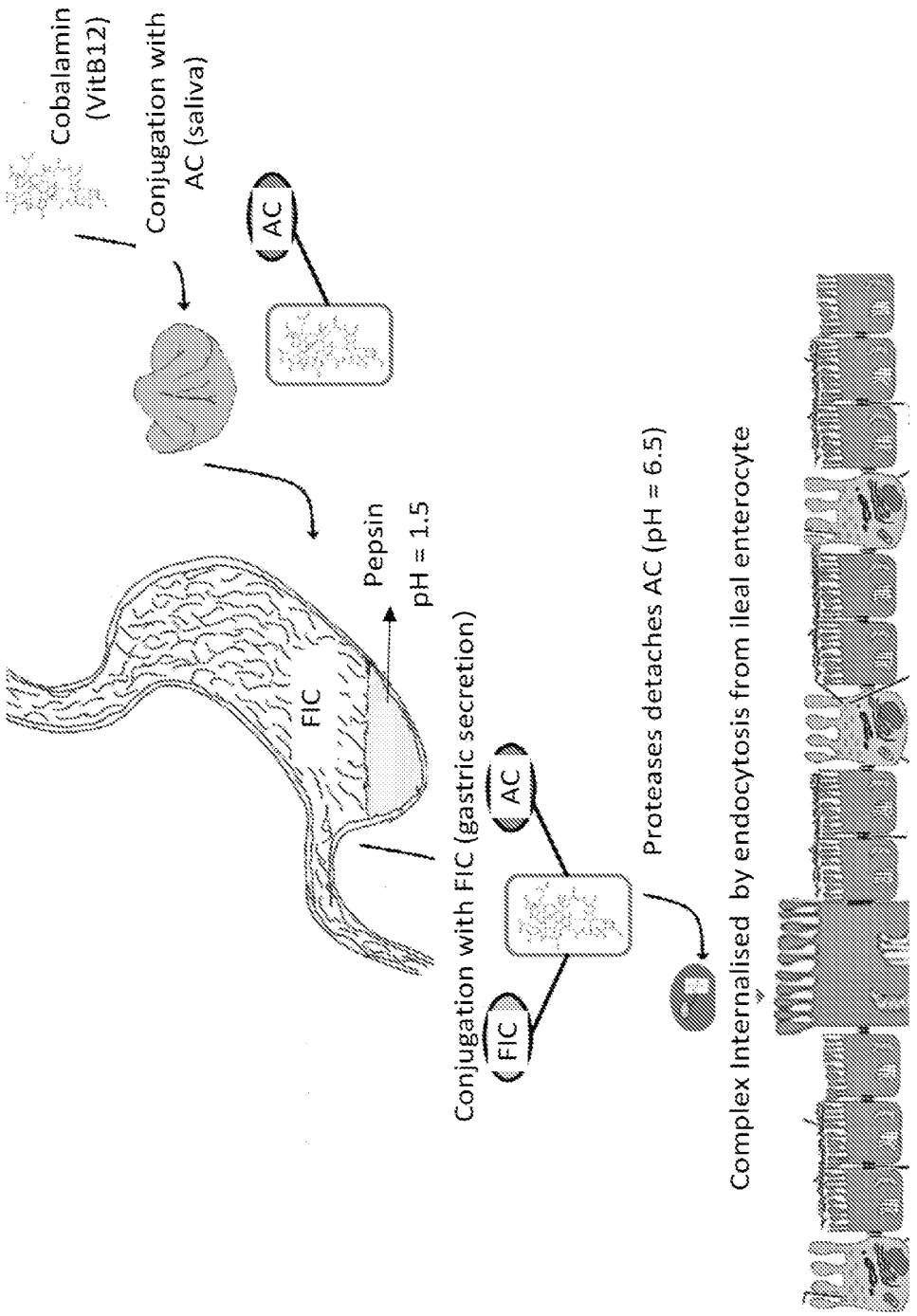


Fig. 3


Cobalamin (VitB12)
Conjugation with AC (saliva)
AC
Pepsin
pH = 1.5
FIC
Conjugation with FIC (gastric secretion)
AC
FIC
Proteases detaches AC (pH = 6.5)
Complex Internalised by endocytosis from ileal enterocyte