

PATENT NO. 370710
PEPTIDOMIMETIC LIGANDS REGULATE BCL-2 EXPRESSION BY STABILIZING
DNA SECONDARY STRUCTURES

APPLICATION NO. 201731028836

APPLICANT

Indian Association for the Cultivation of
Science

ABSTRACT

The present invention relates to novel pyridyl bis-prolinamide compounds of formula (I) that regulates gene expression by providing a dynamic equilibrium between secondary structures such as G-quadruplex and i-motif in the GC rich region near promoter region of BCL-2. It also relates to pharmaceutical compositions that comprises said compounds.

INVENTOR

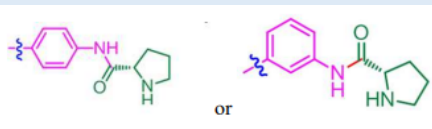
Dash, Jyotirmayee
Debnath, Manish
Chauhan, Ajay
Paul, Rakesh
Indian Association for the Cultivation of
Science, Mallick Road, Kolkata West
Bengal

CLAIM 1

A compound having structural formula (I)



Formula I wherein R1 is either



And



R2