

Abstract

[Abstract]

[Problem]

5 Provided is a compound which is useful as a dopamine D1 receptor positive
allosteric modulator (D1 PAM).

[Means for Solution]

10 The present inventors have studied a compound which has a positive allosteric
modulating action (PAM action) on a dopamine D1 receptor and which can be used as an
active ingredient of a pharmaceutical composition for preventing and/or treating cognitive
impairment, schizophrenia negative symptom, CIAS, Parkinson's disease, Alzheimer's
disease, Huntington's disease, depression, ADHD, drug dependency, or the like. Thus,
they have found that the imidazodiazepine compound of the present invention has a PAM
action on a dopamine D1 receptor, and thereby completed the present invention. The
15 imidazodiazepine compound of the present invention has a PAM action on a dopamine D1
receptor, and is expected to be an agent for preventing and/or treating cognitive
impairment, schizophrenia negative symptom, CIAS, Parkinson's disease, Alzheimer's
disease, Huntington's disease, depression, ADHD, drug dependency, or the like.

[Selected Figure]

Nil