

## Abstract

The present invention relates to a novel pyrrolidine compound having melanocortin receptor agonist activity or a pharmaceutically acceptable salt thereof, and to pharmaceutical applications thereof. The present invention relates to a pyrrolidine derivative represented by formula [I], wherein ring A represents an optionally substituted aryl group or the like;  $R^1$  represents an optionally substituted alkyl group or the like;  $R^2$  represents a halogen atom or the like; and  $R^3$  is an alkyl group substituted with an optionally substituted aryl group or the like, and  $R^4$  is a hydrogen atom or the like; or  $R^3$  and  $R^4$  are terminally attached to each other, and together with the nitrogen atom to which they are attached, form an optionally substituted nitrogen-containing aliphatic heterocyclic ring that may partially contain a double bond; or to a pharmaceutically acceptable salt thereof.

