Patent Document 4: WO 1998/27998

Patent Document 5: WO 1999/43352

Patent Document 6: JP 3242874 B

Patent Document 7: JP 3492483 B

Patent Document 8: JP 2003-300851 A

Patent Document 9: JP 2001-294510 A

[Non-patent Document]

[0007]

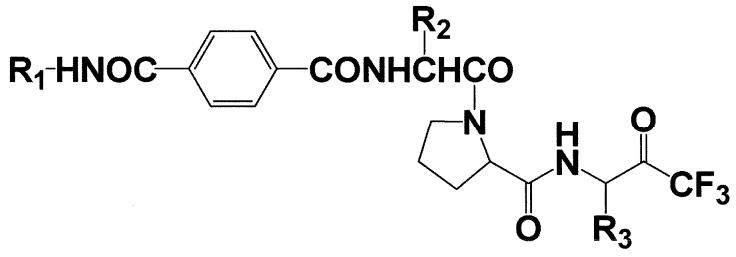
Non-patent Document 1: Development Technology of Anti-aging, Whitening, Moisturizing Cosmetics, CMC Publishing, supervised by Masato Suzuki, Chapter 2, Anti-aging Anti-wrinkle Functional Cosmetics

SUMMARY

[0007a]

In one aspect of the present disclosure, there is provided an oil-gel-form external preparation for skin, comprising:

1) a compound represented by the following General Formula (1):



(1)

[wherein in the formula, R_1 represents a C_1-C_4 linear or branched alkyl group substituted by a carboxyl group(s), or a C_1-C_4 linear or branched alkyl group substituted by a carboxylic acid ester group(s) having a C_1-C_4 alkyl chain; and R_2 and R_3 each independently represent a C_1-C_4 linear or branched alkyl group],

an isomer thereof, and/or a pharmaceutically acceptable salt thereof; and

2) a partially cross-linked methyl polysiloxane.

DISCLOSURE OF THE INVENTION

PROBLEMS TO BE SOLVED BY THE INVENTION

[0008]

As described above, employment itself of an oil gel formulation as the formulation of a cosmetic is an already known technique. However, the influence of an oil-gel-form external preparation for skin containing an effective component intended for application to the skin, on transdermal absorption of the effective component has been unclear. Thus, no attempt has been made to include a compound represented by the General Formula (1) in such an oil gel preparation.

The present invention was carried out under such circumstances, and aims to provide a method for improving the dermal retentivity of a compound represented by the General Formula (1), an isomer thereof, and/or a pharmaceutically acceptable salt thereof

MEANS FOR SOLVING THE PROBLEMS

[0009]

In view of such circumstances, the present inventors made an intensive effort