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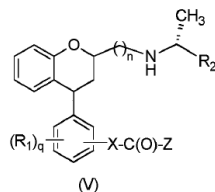
(54) Title **SUBSTITUTED CHROMAN COMPOUNDS AS CALCIUM SENSING RECEPTOR MODULATORS**

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LIONEL KIEFER ET AL: "Design and synthesis of cyclic sulfonamides and sulfamates as new calcium sensing receptor agonists", BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, PERGAMON, ELSEVIER SCIENCE, GB, vol. 20, no. 24, 2 October 2010 (2010-10-02), pages 7483-7487, XP028129144, ISSN: 0960-894X, DOI: 10.1016/J.BMCL.2010.10.006 [retrieved on 2010-10-10]

Enclosed is a translation of the patent claims in Norwegian. Please note that as per the Norwegian Patents Acts, section 66i the patent will receive protection in Norway only as far as there is agreement between the translation and the language of the application/patent granted at the EPO. In matters concerning the validity of the patent, language of the application/patent granted at the EPO will be used as the basis for the decision. The patent documents published by the EPO are available through Espacenet (<http://worldwide.espacenet.com>) or via the search engine on our website here: <https://search.patentstyret.no/>

Patentkrav

1. En forbindelse med formel (V):



eller dens farmasøytisk akseptable salt derav, hvor

5

R_1 er valgt fra halogen, substituert eller usubstituert alkyl, haloalkyl, sykloalkyl, cyano, $-C(O)alkyl$ og $-OR_6$ hvor R_6 er hydrogen eller alkyl; 'q' er 0, 1, eller 2; R_2 er substituert eller usubstituert fenyl eller substituert eller usubstituert naftyl hvor substituentene er en eller flere og uavhengig valgt fra

10 halogen, hydroksy, alkyl, haloalkyl og alkoksy; X er valgt fra en binding, - $(CR_cR_d)_r$, $-NR_7(CR_cR_d)_r$, $-O(CR_cR_d)_r$, $-C(O)NR_7$, $-C(O)NR_7(CR_cR_d)_r$ hvor R_7 er hydrogen eller substituert eller usubstituert alkyl, R_c og R_d er hydrogen eller alkyl, 'r' er 1, 2, eller 3; Z er $-OR_6$ hvor R_6 er valgt fra hydrogen, alkyl eller aryl, eller Z er $-NR_{10}R_{11}$ hvor R_{10} og R_{11} kan være samme eller

15 forskjellige og er uavhengig valgt fra hydrogen, substituert eller usubstituert alkyl, $-(CR_eR_d)_r-C(O)OH$, $-(CR_cR_d)_r-C(O)O-alkyl$ og sykloalkyl eller R_{10} og R_{11} sammen kan danne en substituert eller usubstituert, mettet eller umettet 3 til 12 leddet syklisk ring, hvor de umettede sykliske ringen kan ha en eller flere dobbeltbindinger; og 'n' er 1, 2 eller 3;

20 hvor, dersom ikke annet er angitt, refererer begrepet "substituert" som brukt her til en gruppe eller del med en eller flere substituenten festet til strukturskjelettet til gruppen eller delen ; idet slike substituenten er valgt fra: halogen, cyano, alkyl, haloalkyl, aryl, sykloalkyl, heteroaryl, heterosyklisk ring, $-C(O)OR^x$, $-C(O)R^x$, $C(O)NR^xR^y$, $-NR^xC(O)NR^yR^z$, $-N(R^x)S(O)R^y$, -

25 $N(R^x)S(O)_2R^y$, $-NR^xR^y$, $-NR^xC(O)R^y$, $-S(=)_2NR^xR^y$, $-OR^x$ og $-S(O)_2R^x$; hvor hver opptreden av R^x , R^y og R^z er uavhengig valgt fra hydrogen, halogen, alkyl, haloalkyl, sykloalkyl, og aryl.

2. Forbindelsen i henhold til krav 1 som er valgt fra:

- Metyl 2-fluor-5-((2R, 4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl) benzoat;
- Metyl 2-fluor-5-((2R, 4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- 5 Metyl-3-((2R, 4S)-2-(((R)-1-(naftalen-1 -yl)etyl)amino)metyl)chroman-4-yl)benzoat;
- Metyl 2-metyl-3-((2R,4S)-2-(((R)-1-(naftalen-1-yl) etyl)amino)metyl)-chroman-4-yl)benzoat;
- 10 Metyl 3-metyl-5(2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- Metyl 4-metyl-3-((2R,4S)-2-(((R)-1-(naftalen-1-yl)metyl)amino)metyl)-chroman-4-yl)benzoat;
- Metyl 2-etyl-5-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- 15 Metyl 2-etyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)metyl)amino)metyl)-chroman-4-yl)benzoat;
- Metyl 2-isopropyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- Metyl 2-syklopropyl-5-((2R,4R)-2-(((R)-1-(naftalen-1-yl)metyl)amino)-metyl)chroman-4-yl)benzoat;
- 20 Metyl 2-syklopropyl-5-((2R,4S)-2-(((R)-1-naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- Metyl 2,6-difluor-3-((2R,4R)-2-(((R)-1-(naftalen-1-yl)metyl)amino)metyl)-chroman-4-yl)benzoat;
- 25 Metyl 4-fluor-2-metyl-3-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)-metyl)chroman-4-yl)benzoat;
- Metyl 4-fluor-2-metyl-3-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino) -metyl)chroman-4-yl)benzoat;
- Metyl 2, 3-dimetyl-5-((2R,4S)-2-(((R)-1 -(naftalen-1 -yl)etyl)amino) -metyl)chroman-4-yl)benzoat;
- 30 Metyl 5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)-2-(trifluormetyl)benzoat;

- Metyl 2-metyl-5-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- Metyl 2-metyl-5-(2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoate;
- 5 Metyl 2-fluor-3-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- Metyl 3-fluor-5-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- Metyl 4-fluor-3-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)-metyl)chroman-4-yl)benzoat;
- 10 Metyl 2-metoksy-5-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino) metyl)-chroman-4-yl)benzoat;
- Metyl 2-metoksy-3-((2R,4R)-2-((((R)-2-(naftalen-1-yl)etyl)amino) metyl)-chroman-4-yl) benzoat;
- 15 Metyl 2-metoksy-3-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino) metyl)-chroman-4-yl)benzoat;
- Metyl 4-metoksy-3-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)-metyl)chroman-4-yl) benzoat;
- Metyl 2-(2-metyl-5-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino) metyl)-chroman-4-yl)fenoksy)acetat;
- 20 Metyl 2-(3-metyl-5-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino) metyl)-chroman-4-yl)fenoksy)acetat;
- Metyl 2-(2-fluor-5-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino) metyl)-chroman-4-yl)fenoksy)acetat;
- 25 Metyl 2-(2-fluor-5-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino) metyl)-chroman-4-yl)fenoksy)acetat;
- Metyl 2-(2-fluor-3-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino) metyl)-chroman-4-yl)fenoksy)acetat;
- Metyl 2-(3-fluor-5-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino) metyl)-chroman-4-yl)fenoksy)acetat;
- 30 Metyl 2-(3-fluor-5-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino) metyl)-chroman-4-yl)fenoksy)acetat;

- Metyl 2-(4-fluor-3-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)-metyl)chroman-4-fenoksy)acetat;
- Metyl 2-metyl-2-(3-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)-metyl)chroman-4-yl)fenoksy)propanoat;
- 5 Metyl 4-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzoat;
- Metyl 4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzoat;
- 10 Metyl 2-metyl-4-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino) metyl-)chroman-4-yl)benzoat;
- Metyl 2-metyl-4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- Metyl 4-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)-2-(trifluormetyl)benzoat;
- 15 Metyl 4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)-2-(trifluormetyl)benzoat;
- Metyl 2,6-difluor-4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- Metyl 3-metoksy-4-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- 20 Metyl 3-metoksy-4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-benzoat;
- Metyl 3-fluor-4-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- 25 Metyl 2-fluor-4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- Metyl 2-(4-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)acetat;
- Metyl 2-(4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)acetat;
- 30 Metyl 2-(2-fluor-4-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)fenoksy)acetat;

- Metyl 2-(2-fluor-4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)fenoksy)acetat;
- Metyl 2-(4-(2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenyl)acetat;
- 5 Metyl 2-(4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenyl)acetat;
- Metyl 2-metyl-2-(4-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)fenyl)propanoat;
- 10 Metyl 2-metyl-2-(4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino) -metyl)chroman-4-yl)fenyl)propanoat;
- Metyl 3-metyl-4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)-metyl)chroman-4-yl)benzoat;
- Metyl 2-fluor-54(2S,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)-metyl)chroman-4-yl)benzoat;
- 15 Metyl 3-((2S,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzoat;
- Metyl 2-metyl-5-((2S,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzoat;
- Metyl 2-metyl-5-((2S,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-
- 20 chroman-4-benzoat;
- Metyl 2-(4-((2S,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)acetat;
- Metyl 2-(4-((2S,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)acetat;
- 25 Metyl 5-((2R,4R)-2-((((R)-1-(4-fluornaftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)-2-metylbenzoat;
- Metyl 5-((2 R,4S)-2-((((R)-1-(4-fluornaftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)-2-metylbenzoat;
- Metyl 3-((2 R,4R)-2-((((R)-1 -(4-fluornatfalen-1-yl)etyl)amino)metyl)-
- 30 chroman-4-yl)-2-metoksybenzoat;
- Metyl 3-((2 R,4S)-2-((((R)-1-(4-fluornaftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)-2-metoksybenzoat;
- Metyl 4-((2R)-2-NR)-1-(4-fluor-3-metoksyfenyl)etyl)arnino)metyl)-

- chroman-4-yl)-2-metylbenzoat;
- Metyl 3-((2R)-2-(((R)-1-(4-fluor-3-metoksyfenyl)etyl)amino)metyl)-
chroman-4-yl)-2-metylbenzoat;
- 5 Metyl 5-((2R)-2-(((R)-1-(4-fluor-3-metoksyphenyl)etyl)amino)metyl)-
chroman-4-yl)-2-metylbenzoat;
- Metyl 3-((2R)-2-(((R)-1-(4-fluor-3-metoksyfenyl)etyl)amino)metyl)-
chroman-4-yl)-5-metylbenzoat;
- Metyl 3-((2 R)-2-(((R)-1-(4-fluor-3-metoksyfenyl)etyl)amino)metyl)-
chroman-4-yl)-4-metylbenzoat;
- 10 Metyl 2-fluor-5-((2S,4R)-2-(2-(((R)-1-(naftalen-1-yl)etyl)amino)etyl)-
chroman-4-yl)benzoat;
- Metyl 2-fluor-5-((2R,4S)-2-(2-(((R)-1-(naftalen-1-yl)etyl)amino)etyl)-
chroman-4-yl)benzoat;
- Metyl 2-metyl-5-((2S,4R)-2-(2-(((R)-1-(naftalen-1-yl)etyl)amino)etyl)-
15 chroman-4-yl)benzoat;
- Metyl 2-metyl-5-((2R,4S)-2-(2-(((R)-1-(naftalen-1-yl)etyl)amino)ethyl)-
chroman-4-yl)benzoat;
- Metyl 2-metoksy-3-((2R,4R)-2-(2-(((R)-1-(naftalen-1-yl)etyl)amino)etyl)-
chroman-4-yl)benzoat;
- 20 Metyl 5-((2S,4R)-2-(2-(((R)-1-(4-fluornaftalen-1-yl)etyl)amino)etyl)-
chroman-4-yl)-2-metylbenzoat;
- Metyl 5-((2R,4S)-2-(2-(((R)-1-(4-fluornaftalen-1-yl)etyl)amino)etyl)-
chroman-4-yl)-2-metylbenzoat;
- Metyl 5-((2S,4R)-2-(((R)-1-(4-fluor-3-metoksyfenyl)etyl)amino)-
25 etyl)chroman-4-yl)-2-metylbenzoat;
- Metyl 5-((2R,4S)-2-(((R)-1-(4-fluor-3-metoksyfenyl)etyl)amnino)etyl)-
chroman-4-yl)-2-metylbenzoat;
- Metyl 2-fluor-5-((2S,4S)-2-(3-(((R)-1-(naftalen-1-yl)etyl)amino)propyl)-
chroman-4-yl)benzoat;
- 30 Metyl 2-fluor-5-((2R,4R)-2-(3-(((R)-1-(naftalen-1-yl)etyl)amino)propyl)-
chroman-4-yl)benzoat;
- Metyl 2-metyl-5-((2S,4S)-2-(3-(((R)-1-(naftalen-1-ypl)etyl)amino)-propyl)-
chroman-4-yl)benzoat;
- Metyl 2-metyl-5-((2R,4R)-2-(3-(((R)-1-(naftalen-1-yl)etyl)amino)propyl)-

- chroman-4-yl)benzoat;
- Metyl 5-((2S,4S)-2-(3-(((R)-1-(4-fluor-3-metoksyfenyl)etyl)amino)propyl)chroman-4-yl)-2-metylbenzoate;
- Metyl 4-((2S,4S)-2-(3-(((R)-1-(4-fluornaftalen-1-yl)etyl)amino)propyl)-
- 5 chroman-4-yl)-3-metylbenzoat;
- Metyl 4-((2S,4S)-2-(3-(((R)-1-(4-fluornaftalen-1-yl)etyl)amino)propyl)-chroman-4-yl)benzoat;
- Metyl 5-((2S,4S)-2-(3-(((R)-1-(4-fluornaftalen-1-yl)etyl)amino)propyl)-chroman-4-yl)-2-metylbenzoat;
- 10 2,6-dimetyl-3-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzocyre hydroklorid;
- 2,6-dimetyl-3-((2R,4S)-2-(2-(((R)-1-(naftalen-1-yl)etyl)amino)etyl)-chroman-4-yl) benzocyre hydroklorid;
- 2,6-dimetyl-3-((2R,4R)-2-(3-(((R)-1-(naftalen-1-yl)etyl)amino)propyl)-
- 15 chroman-4-yl)benzocyre hydroklorid;
- 2,6-dimetyl-3-((2S,4S)-2-(3-(((R)-1-(naftalen-1-yl)etyl)amino)propyl)-chroman-4-yl)benzocyre hydroklorid;
- 3-((2S,4S)-2-(3-(((R)-1-(4-fluor-3-metoksyfenyl)etyl) amino)propyl)-chroman-4-yl)-2,6-dimetylbenzocyre hydroklorid;
- 20 2-Fluor-5-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzocyre hydroklorid;
- 2-Fluor-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzocyre hydroklorid;
- 3-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-
- 25 yl)benzocyre hydroklorid;
- 2-metyl-3-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzocyre hydroklorid;
- 3-metyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzocyre hydroklorid;
- 30 4-metyl-3-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzocyre hydroklorid;
- 2-etyl-5-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzocyre hydroklorid;
- 2-etyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-

- yl) benzosyre hydroklorid;
- 2-Isopropyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)-metyl)-
chroman-4-yl)benzosyre hydroklorid;
- 2-Syklopropyl-5-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-
5 chroman-4-yl)benzosyre hydroklorid;
- 2-Syklopropyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)-metyl)-
chroman-4-yl)benzosyre hydroklorid;
- 2,6-Difluor-3-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-
chroman-4-yl)benzosyre hydroklorid;
- 10 4-Fluor-2-metyl-3-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-
chroman-4-yl)benzosyre hydroklorid;
- 4-Fluor-2-metyl-3-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-
chroman-4-yl)benzosyre hydroklorid;
- 2,3-Dimetyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-
15 chroman-4-yl)benzosyre hydroklorid;
- 5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)-2-
(trifluormetyl)benzosyre hydroklorid;
- 2-Metyl-5-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-
yl)benzosyre hydroklorid;
- 20 2-Metyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-
4-yl)benzosyre hydroklorid;
- 2-Fluor-3-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-
yl)benzosyre hydroklorid;
- 3-Fluor-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-
25 yl)benzosyre hydroklorid;
- 4-Fluor-3-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-
yl)benzosyre hydroklorid;
- 2-Metoksy-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-
chroman-4-yl)benzosyre hydroklorid;
- 30 2-Metoksy-3-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-
chroman-4-yl)benzosyre hydroklorid;
- 2-Metoksy-3-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-
chroman-4-yl)benzosyre hydroklorid;
- 4-Metoksy-3-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-

- chroman-4-yl) benzosyre hydroklorid;
- 2-(2-Metyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)eddiksyre hydroklorid;
- 2-(3-Metyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)eddiksyre hydroklorid;
- 2-(2-Fluor-5-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)eddiksyre hydroklorid;
- 2-(2-Fluor-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)eddiksyre hydroklorid;
- 2-(2-Fluor-3-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)eddiksyre hydroklorid;
- 2-(3-Fluor-5-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)eddiksyre hydroklorid;
- 2-(3-Fluor-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)eddiksyre hydroklorid;
- 2-(4-Fluor-3-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)eddiksyre hydroklorid;
- 2-Metyl-2-(3-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)propionsyre hydroklorid;
- 4-((2R,4R)-2-(((R)-1-(Naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzosyre hydroklorid;
- 4-((2R,4S)-2-(((R)-1-(Naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzosyre hydroklorid;
- 2-Metyl-4-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzosyre hydroklorid;
- 2-Metyl-4-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzosyre hydroklorid;
- 4-((2R,4R)-2-(((R)-1-(Naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)-2-(trifluormetyl)benzosyre hydroklorid;
- 4-((2R,4S)-2-(((R)-1-(Naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)-2-(trifluormetyl)benzosyre hydroklorid;
- 2,6-Difluor-4-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzosyre hydroklorid;
- 3-Metoksy-4-((2R,4R)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-

- chroman-4-yl)benzoesyre hydroklorid;
- 3-Metoksy-4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-
chroman-4-yl)benzoesyre hydroklorid;
- 3-Fluor-4-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-
5 yl)benzoesyre hydroklorid;
- 2-Fluor-4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-
yl)benzoesyre hydroklorid;
- 2-(4-((2R,4R)-2-((((R)-1-(Naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)
fenoksy)eddiksyre hydroklorid;
- 10 2-(4((2R,4S)-2-((((R)-1-(Naftalen-1-yl)etyl)amino)metyl)chroman-4-
yl)fenoksy)eddiksyre hydroklorid;
- 2-(2-Fluor-4-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-
chroman-4-yl)fenoksy)eddiksyre hydroklorid;
- 2-(2-Fluor-4((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-
15 4-yl)fenoksy)eddiksyre hydroklorid;
- 2-(4-((2R,4R)-2-((((R)-1-(Naftalen-1-yl)etyl)amino)metyl)chroman-4-
yl)fenyl)eddiksyre hydroklorid;
- 2-(4-((2R,4S)-2-((((R)-1-(Naftalen-1-yl)etyl)amino)metyl)chroman-4-
yl)fenyl)eddiksyre hydroklorid;
- 20 2-Metyl-2-(4-((2R,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-
chroman-4-yl)fenyl)propionsyre hydroklorid;
- 2-Metyl-2-(4-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)-
chroman-4-yl) fenyl) propionsyre hydroklorid;
- 3-Metyl-4-((2R,4S)-2-((((R)-1-(naftalen- 1 -yl)etyl)amino) metyl)chroman-
25 4-yl)benzoesyre hydroklorid;
- 2-Fluor-5-((2S,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-
yl)benzoesyre hydroklorid;
- 3-((2S,4R)-2-((((R)-1-(Naftalen-1-yl)etyl)amino)metyl)chroman-4-
yl)benzoesyre hydroklorid;
- 30 2-Metyl-5(2S,4R)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-
yl)benzoesyre hydroklorid;
- 2-Metyl-5-((2S,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino) metyl)chroman-
4-yl)benzoesyre hydroklorid;
- 2-(4-((2S,4R)-2-((((R)-1-(Naftalen-1-yl)etyl)amino)metyl)chroman-4-

- yl)fenoksy)eddijsyre hydroklorid;
 2-(4-((2S,4S)-2-((((R)-1-(Naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenoksy)eddijsyre hydroklorid;
 4-((2R,4S)-2-((((R)-1-(4-Fluor-3-metoksyfenyl)etyl)amino)metyl)-
 5 chroman-4-yl)-2-metylbenzosyre hydroklorid;
 3-((2R,4S)-2-((((R)-1-(4-Fluor-3-metoksyfenyl)etyl)amino)metyl)-chroman-4-yl)-2-metylbenzosyre hydroklorid;
 5-((2R,4S)-2-((((R)-1-(4-Fluor-3-metoksyfenyl)etyl)amino)metyl)-chroman-4-yl)-2-metyl benzosyre hydroklorid;
 10 3-((2R,4S)-2-((((R)-1-(4-Fluor-3-metoksyfenyl)etyl)amino)metyl)-chroman-4-yl)-5-metylbenzosyre hydroklorid;
 3-((2R,4S)-2-((((R)-1-(4-Fluor-3-metoksyfenyl)etyl)amino)metyl)-chroman-4-yl)-4-metylbenzosyre hydroklorid;
 5-((2R,4R)-2-((((R)-1-(4-Fluornaftalen-1-yl)etyl)amino)metyl)chroman-4-
 15 yl)-2-metyl benzosyre hydroklorid;
 5-((2R,4S)-2-((((R)-1-(4-Fluornaftalen-1-yl)etyl)amino)metyl)chroman-4-yl)-2-metyl benzosyre hydroklorid;
 3-((2R,4S)-2-((((R)-1-(4-Fluornaftalen-1-yl)etyl)amino)metyl)chroman-4-yl)-2-metoksybenzosyre hydroklorid;
 20 3-((2R,4R)-2-((((R)-1-(4-Fluornaftalen-1-yl)etyl)amino)metyl)chroman-4-yl)-2-metoksybenzosyre hydroklorid;
 2-Fluor-5-((2S,4R)-2-(2-((((R)-1-(naftalen-1-yl)etyl)amino)etyl)-chroman-4-yl) benzosyre hydroklorid;
 2-Fluor-5-((2R,4S)-2-(2-((((R)-1-(naftalen-1-yl)ethyl)amino)etyl)chroman-4-yl)benzosyre hydroklorid;
 25 2-Metyl-5-((2,4R)-2-(2-(yR)-1-(naftalen-1-ypethyD amino)etyl)chroman-4-yl)benzosyre hydroklorid;
 2-Metyl-5-((2R,4S)-2-(2-((((R)-1-(naftalen-1-yl)etyl)amino)etyl)chroman-4-yl) benzosyre hydroklorid;
 30 2-Metoksy-3-((2R((R)-1-(naftalen-1-yl)etyl)amino)etyl)chroman-4-yl) benzosyre hydroklorid;
 5-((2S,4R)-2-(2-((((R)-1-(4-fluornaftalen-1-yl)etyl)amino)etyl)chroma n-4-yl)-2-metyl benzosyre hydroklorid;
 5-((2R,4S)-2-(2-((((R)-1-(4-fluornaftalen-1-yl)etyl)amino)etyl)chroman-4 -

- yl)-2-metyl benzosyre hydroklorid;
- 5-((2S,4R)-2-(2-(((R)-1-(4-Fluor-3-metoksy fenyl)etyl)amino)etyl)-chroman-4-yl)-2-metylbenzosyre hydroklorid;
- 5-((2R,4S)-2-(2-(((R)-1-(4-Fluor-3-metoksy fenyl)etyl)amino)etyl)-chroman-4-yl)-2-metylbenzosyre hydroklorid;
- 2-Fluor-5-((2S,4S)-2-(3-(((R)-1-(naftalen-1-yl)etyl)amino)propyl)chroman-4-yl) benzosyre hydroklorid;
- 2-Fluor-5-((2R,4R)-2-(3-(((R)-1-(naftalen-1-yl)etyl)amino)propyl)-chroman-4-yl)benzosyre hydroklorid;
- 2-Metyl-5-((2S,4S)-2-(3-(((R)-1-(naftalen-1-yl)etyl)amino)propyl)-chroman-4-yl)benzosyre hydroklorid;
- 2-Metyl-5-((2R,4R)-2-(3-(((R)-1-(naftalen-1-ypethypamino)propyl)chroman-4-yl)benzosyre hydroklorid;
- 5-((2S,4S)-2-(3-(((R)-1-(4-Fluor-3-metoksyfenyl)etyl)amino)-propyl)chroman-4-yl)-2-metylbenzosyre hydroklorid;
- 4-((2S,4S)-2-(3-(((R)-1-(4-Fluornaftalen-1-yl)etyl)amino)propyl)chroman-4-yl)-3-metylbenzosyre hydroklorid;
- 4-((2S,4S)-2-(3-(((R)-1-(4-Fluornaftalen-1-yl)etyl)amino)propyl)chroman-4-yl)benzosyre hydroklorid;
- 5-((2S,4S)-2-(3-(((R)-1-(4-Fluornaftalen-1-yl)etyl)amino)propyl)chroman-4-yl)-2-metylbenzosyre hydroklorid;
- Metyl 2-(3-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl) benzamido)acetat;
- Metyl 2-(2-metyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl) benzamido) acetat;
- 2-(3-((2R,4S)-2-(((R)-1-(Naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzamido) eddiksyre hydroklorid;
- 2-(2-Metyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl) benzamido) eddiksyre hydroklorid;
- N,2-Dimetyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl) benzamid hydroklorid;
- N, N,2-Trimetyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)-chroman-4-yl)benzamid hydroklorid;
- 2-Metyl-5-((2R,4S)-2-(((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-

yl)benzamid hydroklorid;

N-Etyl-N,2-dimetyl-5-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)benzamid hydroklorid;

N,N-Dietyl-2-metyl-5-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)

5 metyl)chroman-4-yl)benzamid hydroklorid; og

(2-Metyl-5-((2R,4S)-2-((((R)-1-(naftalen-1-yl)etyl)amino)metyl)chroman-4-yl)fenyl)(pyrrolidin-1-yl)metanon hydroklorid;

eller et farmasøytisk akseptabelt salt derav.

10 3. En farmasøytisk sammensetning innbefattende en eller flere forbindelser av formel (V) i henhold til krav 1, og en eller flere farmasøytisk akseptable eksipienter.

15 4. Forbindelse i henhold til krav 1 eller et farmasøytisk akseptabelt salt derav for behandling, håndtering og/eller avlastning av en sykdom eller lidelse, syndrom eller tilstand valgt fra hyperparathyroidisme, kronisk nyrefeil (med eller uten dialyse), kronisk leverlidelse (med eller uten dialyse) og deres komplikasjoner; parathyroid adenom, parathyroid hyperplasi, parathyroid karsinom, vaskulær og valvulær forkalkning, abnormal kalsium homeo-

20 stase, hyperkalsemi, abnormal fosfor homeostase, hypofosfatemi, benrelaterte lidelse og komplikasjoner som stammer fra hyperparathyroidisme, kronisk leverlidelse eller parathyroid karsinom, bentap etter nyretransplantasjon, osteotitt fibrosa cystika, adynamisk benlidelse, renal benlidelse, kardiovaskulære komplikasjoner som stammer fra

25 hyperthyroidisme eller kronisk leverlidelse, visse ondartetheter hvor $(Ca^{2+})_e$ ionene er abnormalt høye, hjerte, nyre eller innvollsdysfunksjoner, podocyt-relaterte lidelser, abnormal innvollsmotilitet, diaré, forhøyet gastrin eller magesyresekresjon for direkte eller indirekte hjelp ved atrofisk gastritt eller forbedre absorpsjonen av farmakologiske forbindelser,

30 legemidler eller tilskudd fra mage-tarmkanalen ved økning av gastrisk surhet.

5. Forbindelse for anvendelse i henhold til krav 4, hvor hyperparathyroidisme er primær hyperparathyroidisme, sekundær hyperparathyroidisme eller

tertiær hyperparathyroidisme.