

Title (en)

KETONE BODY ESTERS OF S-BETA-HYDROXYBUTYRATE AND/OR S-1,3-BUTANEDIOL FOR MODIFYING METABOLIC FUNCTION

Title (de)

KETONKÖRPERESTER VON S-BETA-HYDROXYBUTYRAT UND/ODER S-1,3-BUTANDIOL ZUR MODIFIZIERUNG DER STOFFWECHSELFUNKTION

Title (fr)

ESTERS DE CORPS CÉTONIQUES DE S-BÊTA-HYDROXYBUTYRATE ET/OU DE S-1,3-BUTANEDIOL POUR MODIFIER LA FONCTION MÉTABOLIQUE

Publication

**EP 4267121 A1 20231101 (EN)**

Application

**EP 21911907 A 20211215**

Priority

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- US 2021063559 W 20211215

Abstract (en)

[origin: WO2022140130A1] Compositions and methods for producing elevated blood levels of ketone bodies and modifying metabolic function in a mammal. Compositions include at least one ester of S-beta-hydroxybutyrate or a non-racemic ester mixture enriched in S-beta-hydroxybutyrate relative to R-beta-hydroxybutyrate and/or a mono- or di-ester of S-1,3-butanediol or a non-racemic ester mixture enriched in S-1,3-butanediol relative to R-1,3-butanediol and at least one ketone body component. The ketone body component includes beta-hydroxybutyrate, acetoacetate, or both. The beta-hydroxybutyrate is R-beta-hydroxybutyrate, S-beta-hydroxybutyrate, or both. When the ketone body component is S-beta-hydroxybutyrate, the 1,3-butanediol is R-1,3-butanediol, S-1,3-butanediol, or both. Compositions may comprise a keto stack of multiple forms of ketone bodies, such as one or more ketone body salts and/or one or more ketone body acids.

IPC 8 full level

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