Title (en)
PROCESS FOR SEPARATION OF FOLINIC ACIDS.

Title (de)
VERFAHREN ZUR TRENNUNG VON FOLINSÄURE.

Title (fr)
PROCEDE DE SEPARATION D'ACIDES FOLINIQUES.

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Abstract (en)
[origin: WO8808844A1] A process makes possible the production of (6S) folinic acids and their salts by recrystallization of alkaline earth salts of (6R, S) folinic acids, possibly by release of these acids contained in alkaline earth folinates and/or possibly their conversion to alkali salts by at least one recrystallization in the presence of a base. The invention also concerns the (6S) folinates of calcium, magnesium, potassium and sodium and the (6S) folinic acids produced by the process described.

Abstract (fr)
Un procédé permet de produire des acides (6S) foliniques et leurs sels par recristallisation de sels alcalino-terreux des acides (6R, S) foliniques, éventuellement par libération de ces acides contenus dans des folinates alcalino-terreux et/ou éventuellement leur conversion en sels alcalins au moyen d'au moins une recristallisation en présence d'une base. L'invention concerne également des folinates (6S) de calcium, de magnésium, de potassium et de sodium et les acides (6S) foliniques produits selon le procédé décrit.

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DD 270073 A5 19890719; DE 3864904 D1 19911024; DK 173708 B1 20010709; DK 254688 A 19881116; DK 254688 D0 19880509;
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IE 881450 L 19881115; JP H01503787 A 19891221; JP H089618 B2 19960131; KR 890700590 A 19890426; KR 950010074 B1 19950906;
NZ 224361 A 19891027; PT 87355 A 19890630; PT 87355 B 19950301; US 5134235 A 19920728; US 5347005 A 19940913;
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EP 8800341 W 19880422; EP 88903810 A 19880422; ES 88200864 T 19880422; FI 890195 A 19890113; GR 910401367 T 19910919;
HU 385188 A 19880422; IE 145088 A 19880513; JP 50380988 A 19880422; KR 880701643 A 19881210; NZ 22436188 A 19880422;
PT 8735588 A 19880428; US 45969295 A 19950602; US 66868191 A 19910307; US 89648292 A 19920602; ZA 883344 A 19880511