

Title (en)

PROCESS FOR PREPARING GEMCITABINE AND ASSOCIATED INTERMEDIATES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON GEMCITABIN UND DAMIT IN ZUSAMMENHANG STEHENDEN ZWISCHENPRODUKTEN

Title (fr)

PROCEDE POUR PREPARER LA GEMCITABINE ET DES INTERMEDIAIRES ASSOCIES

Publication

**EP 1931693 A2 20080618 (EN)**

Application

**EP 06802423 A 20060828**

Priority

- US 2006033431 W 20060828
- US 71221705 P 20050829

Abstract (en)

[origin: WO2007027564A2] Provided is a process for preparing gemcitabine or a salt thereof, which preferably includes removing at least a substantial portion of the a anomer of a N-1-protected-2'-deoxy-2',2'-difluoro-cytidine-3',5'-diester from an anomeric mixture thereof; removing the 3'-ester, the 5'-ester and the N-protecting group; and optionally forming a salt. The 3'-ester and 5'-ester can be the same or different and at least one of the esters preferably is cinnamoyl, benzoyl, 1-naphthoyl, 1-naphthylmethylcarbonyl, 2-methylbenzylcarbonyl, 4-methylbenzylcarbonyl or 9-fluorenylmethoxycarbonyl ester. Also provided are novel intermediates, including but not limited to 2-deoxy-2,2-difluoro-D-erythro-pentofuranos-1-ulose-3,5-diester, and methods of producing such intermediates.

IPC 8 full level

**C07H 19/19** (2006.01)

CPC (source: EP KR)

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