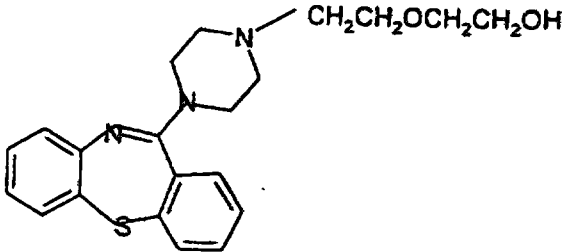


INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: C07D 281/16, A61K 31/55	A1	(11) International Publication Number: WO 99/06381 (43) International Publication Date: 11 February 1999 (11.02.99)
(21) International Application Number: PCT/GB98/02260 (22) International Filing Date: 28 July 1998 (28.07.98) (30) Priority Data: 9716161.6 1 August 1997 (01.08.97) GB (71) Applicant (for all designated States except US): ZENECA LIMITED [GB/GB]; 15 Stanhope Gate, London W1Y 6LN (GB). (72) Inventor; and (75) Inventor/Applicant (for US only): SNAPE, Evan, William [GB/GB]; Zeneca Pharmaceuticals, Avlon Works, Severn-side, Bristol BS10 7SJ (GB). (74) Agent: BILL, Kevin; Intellectual Property Dept., Zeneca Pharmaceuticals, Mereside, Alderley Park, Macclesfield, Cheshire SK10 4TG (GB).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: A CRYSTALLINE DIBENZOTHIAZEPINE DERIVATIVE AND ITS USE AS AN ANTIPSYCHOTIC AGENT  (I)		
(57) Abstract Crystalline 11-(4-[2-(2-hydroxyethoxy)ethyl]-1-piperazinyl)-dibenzo[b,f][1,4]thiazepine (I) may be prepared by crystallising 11-(4-[2-(2-hydroxyethoxy)ethyl]-1-piperazinyl)-dibenzo[b,f][1,4]thiazepine from a non-aromatic solvent such as ethyl acetate, isobutyl acetate, methyl <u>iso</u>-butylketone or methyl <u>tert</u>-butyl ether, preferably in the absence of water. The crystalline material produced may be converted into a pharmaceutically acceptable salt such as a fumarate. The crystalline 11-(4-[2-(2-hydroxyethoxy)ethyl]-1-piperazinyl)-dibenzo[b,f][1,4]thiazepine may be used to treat psychoses.		