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(21) International Application Number: PCT/US00/07129 (22) International Filing Date: 17 March 2000 (17.03.00) (30) Priority Data: 60/125,507 19 March 1999 (19.03.99) US 60/174,882 7 January 2000 (07.01.00) US (71) Applicant (for all designated States except US): VERTEX PHARMACEUTICALS INCORPORATED [US/US]; 130 Waverly Street, Cambridge, MA 02139-4242 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): STAMOS, Dean [US/US]; 28 Londonderry Avenue, Framingham, MA 01701 (US). TRUDEAU, Martin [US/US]; 163 Merrimack Meadows, Tewksbury, MA 01876 (US). BETHIEL, Scott [US/US]; 17 Forest Street, Apt. 21, Cambridge, MA 02140 (US). BA- DIA, Michael [US/US]; 20 Meadowbrook Road, Bedford, MA 01730 (US). SAUNDERS, Jeffrey [US/US]; 164 Parker Street, Acton, MA 10720 (US). (74) Agents: MARKS, Andrew; Vertex Pharmaceuticals Inc., 130 Waverly Street, Cambridge, MA 02139-4242 (US) et al.		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, 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: INHIBITORS OF IMPDH ENZYME (57) Abstract The present invention relates to compounds which inhibit IMPDH. This invention also relates to pharmaceutical compositions comprising these compounds. The compounds and pharmaceutical compositions of this invention are particularly well suited for inhibiting IMPDH enzyme activity and consequently, may be advantageously used as therapeutic agents for IMPDH-mediated processes. This invention also relates to methods for inhibiting the activity of IMPDH using the compounds of this invention and related compounds.		