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Hagilad Street, Alfey Menashe 44581 (IL). **WU, Laurence**
[US/US]; 20 Westgate Drive, Apt.106, Woburn, MA 01801
(US).

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(74) Agent: **ELRIFI, Ivor, R.**; Mintz, Levin, Cohn, Ferris,
Glovsky, and Popeo, P., C., One Financial Center, Boston,
MA 02111 (US).

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(71) Applicant (*for all designated States except US*): **PREDIX
PHARMACEUTICALS HOLDINGS, INC.** [US/US];
10K Gill Street, Woburn, MA 01801 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **BAR-HAIM, Shay**
[IL/IL]; 13 Hachasida Street, Netanya (IL). **BECKER,
Oren** [IL/IL]; Hermon 42 Street, Suite 4, Mevaseret Zion
(IL). **CHEN, Dongli** [CN/US]; 219 Commonwealth Ave-
nue, Apt. 44, Chestnut Hill, MA 02467 (US). **DHANOA,
Dale, S.** [US/US]; 252 Albion Street, Unit 23, Wake-
field, MA 01880 (US). **HEIFETZ, Alexander** [IL/IL];
4 Shlomo Cohen Street, Bnei-Brak (IL). **LOBERA,
Mercedes** [ES/US]; 39 Concord Crossing, Concord, MA
01742 (US). **MARANTZ, Yael** [IL/IL]; P.O. Box 263,
Kfaar Shmuel 99799 (IL). **MOHANTY, Pradyumna**
[IN/US]; 50 Mill Street, Apt. #4, Woburn, MA 01801
(US). **NOIMAN, Silvia** [IL/IL]; Kibush Haavoda 12A
Street, Herzliya (IL). **SHACHEM, Sharon** [IL/IL]; 29

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(54) Title: THIENOPYRIDINONE COMPOUNDS AND METHODS OF TREATMENT

(57) Abstract: The invention relates to 5-HT receptor agonists and partial agonists. Novel thienopyridinone compounds represented by Formula I, and synthesis and uses thereof for treating diseases mediated directly or indirectly by 5-HT receptors, are disclosed. Such conditions include Alzheimer's disease, cognition disorders, irritable bowel syndrome, nausea, emesis, vomiting, prokinesia, gastroesophageal reflux disease, nonulcer dyspepsia, depression, anxiety, urinary incontinence, migraine, arrhythmia, atrial fibrillation, ischemic stroke, gastritis, gastric emptying disorders, feeding disorders, gastrointestinal disorders, constipation, erectile dysfunction, and respiratory depression. Methods of preparation and novel intermediates and pharmaceutical salts thereof are also included.



WO 2005/121151 A2