

## JCW Patents – Medicinal Chemistry

**8 Inventions Families 11 Patent Families 55 Patents**  
**(As of December 16, 2022)**

### **020 Azaphenylene Mediated A $\beta$ Disaggregation for Alzheimer's Disease (2012-09-28)**

#### **036 Dihydro-6-Azaphenalene Derivatives for the Treatment of CNS, Oncological Diseases and Related Disorders**

John C. Warner, Dieu Nguyen, Jeffery A. Gladding, Srinivasa R. Cheruku, Jean R. Loebelenz, James J. Norman, Sambaiah Thota, John W. Lee, Craig Rosenfeld

- 110 [US 10,047,089](#) Granted 2018-08-14, Published 2014-04-03, Filed 2013-09-27
- 111 [WO 2014/052906](#) Published 2014-04-03, Filed 2013-09-27
- 112 [AU 2013/323198](#) Granted 2018-03-29, Published 2015-04-09, Filed 2013-09-27
- 113 [BR 11/2015/007095](#) Published 2017-07-04, Filed 2013-09-27
- 114 [CA 2886749](#) Published 2014-04-03, Filed 2013-09-27
- 115 [CN 104994853](#) Granted 2018-11-30, Published 2015-10-21, Filed 2013-09-27
- 116 [EP2900239](#) Granted 2019-03-20, Published 2015-08-05, Filed 2013-09-27
- 117 [IL 237912](#) Published 2015-05-31, Filed 2015-03-23
- 118 IN 1121/KOLNP/2015 Granted 2021-02-26, Published 2016-01-08, Filed 2015-04-22
- 119 [JP 6345674](#) Granted 2018-06-20, Published 2015-11-02, Filed 2013-09-27
- 120 [KR 2015/0060775](#) Published 2015-06-03, Filed 2013-09-27

### **024 Pyrido[2,3-d]pyridazine Derivatives (Rilyazine) Anticancer Cytostats (2013-09-05)**

#### **041 Preparation of Rilyazine derivatives useful in treatment of cancer**

John C. Warner, Jeffery A. Gladding, Thomas W. Gero and Srinivasa R. Cheruku

- 128 [US 9,394,299](#) Granted 2016-07-19, Published 2015-03-05, Filed 2014-08-29
- 129 [WO 2015/034785](#) Published 2015-03-12, Filed 2014-08-29
- 130 AU 2014/315422 Published 2015/03/12, Filed 2014/08/29
- 131 [EP 3041840](#) Granted 2018-02-28, Published 2016-07-13, Filed 2014-08-29

### **026 Mechanochemical NCD Therapy for ALS and other CNS Diseases (2013-11-11)**

#### **044 Metal Complexes and Methods of Treatment**

John C. Warner, Srinivasa R. Cheruku, Anitha Hari and James J. Norman

- 145 [US 11,266,686](#) Granted 2022-03-08, Published 2016-09-22, Filed 2014-11-10
- 146 [WO 2015/070177](#) Published 2015-05-14, Filed 2014-11-10
- 147 [AU 2014/346476](#) Granted 2019-01-24, Published 2016-06-23, Filed 2014-11-10
- 148 [CA 2930290](#) Published 2015-05-14, Filed 2014-11-10
- 149 [CN 105899519](#) Granted 2021-11-09, Published 2016-08-24, Filed 2014-11-10
- 150 [EP 3068762](#) Granted 2019-12-25, Published 2016-09-21, Filed 2014-11-10
- 151 [ES 2778038](#) Granted 2020-08-07, Published 2020-08-07, Filed 2014-11-10
- 152 [IL 245593](#) Published 2016-06-30, Filed 2016-05-10
- 153 IN 362647 Granted 2021-03-23, Published 2016-08-26, Filed 2016-06-10
- 154 [JP 6619348](#) Granted 2019-12-11, Published 2016-12-28, Filed 2014-11-10

### **029 Synthesis of N-Acetyl-L-Cysteinamide (2014-03-28)**

#### **049 Method for the Preparation of N-Acetyl-L-Cysteinamide from N-Acetyl-L-Cysteine**

John C. Warner, Srinivasa Cheruku, Sambaiah Thota and John W. Lee

- 171 [US 9,763,902](#) Granted 2017-09-19, Published 2017-06-29, Filed 2015-03-27
- 172 [WO 2015/148880](#) Published 2015-10-01, Filed 2015-03-27
- 173 [EP 3122342](#) Granted 2020-09-23, Published 2017-02-01, Filed 2015-03-27

#### **050 Method for the Preparation of N-Acetyl-L-Cysteinamide from N-Acetyl-L-Cysteine, Continuation**

John C. Warner, Srinivasa Cheruku, Sambaiah Thota and John W. Lee

174 [US 9,889,103](#) Granted 2018-02-13, Published 2017-12-28, Filed 2017-09-06

### 033 Dipyridyl Thiosemicarbazone Anti-Cancer Agents (2015-09-25)

#### 061 Preparation of Dipyridyl Thiosemicarbazones as Anticancer Agents

John C. Warner, Jeffery A. Gladding and Srinivasa R. Cheruku

206 [US 62/234,198](#). Filed 2015-09-29. Unpublished

207 [WO 2017/058748](#) Published 2017-04-06, Filed 2016-09-27

### 034 2-Phenyl Benzofuran Derivatives for A $\beta$ and Amylin Disaggregation (2015-11-11)

#### 062 Preparation of 2-Phenylbenzofuran Derivatives for the Treatment of Central Nervous System Disorders and Other Disorders

John C. Warner, Srinivasa R. Cheruku and Jeffery A. Gladding

208 [US 10,590,100](#) Granted 2020-03-17, Published 2018-12-06, Filed 2016-11-10

209 [WO 2017/083488](#) Published 2017-05-18, Filed 2016-11-10

210 [AU 2016/353004](#) Granted 2020-11-05, Published 2018-06-14, Filed 2016-11-10

211 [CA 3005212](#) Published 2017-05-18, Filed 2016-11-10

212 [CN 10869901](#) Granted 2022-05-10, Published 2018-10-23, Filed 2016-11-10

213 [EP 3374354](#) Granted 2022-09-28, Published 2018-09-19, Filed 2016-11-10

214 [IL 259674](#) Published 2018-07-31, Filed 2018-05-29

215 [JP 6908805](#) Granted 2021-07-28, Published 2019-01-24, Filed 2016-11-10

#### 063 Preparation of stilbene derivatives for use as central nervous system agents

John C. Warner

216 [US 11,286,233](#) Granted 2022-03-29, Published 2021-04-22, Filed 2018-05-08

217 [WO 2018/208709](#) Published 2018-11-15, Filed 2018-05-08

218 [EP 3621945](#) Published 2021-03-03, Filed 2018-05-08

### 043 NCDs of HDAC Inhibitors (2017-06-01)

#### 080 Noncovalent Derivatives of Histone Deacetylase Inhibitors and Methods of Treatment

Carmen M. Baldino, Laura Muollo, and John C. Warner

309 [US 62/516,585](#). Filed 2017-06-01. Unpublished

310 [WO 2018/222572](#) Published 2018-12-06, Filed 2018-05-29

### 046 Heterobicyclic Compounds for Ferroptosis Related Diseases (2017-12-01)

#### 083 Preparation of Heterobicyclic Aromatic Derivatives for the Treatment of Ferroptosis-Related Disorders

John C. Warner, Carmen Baldino, Laura Muollo and Craig Rosenfeld

316 [US 62/593,607](#). Filed 2017-01-12. Unpublished

317 [WO 2019/106434](#) Published 2019-06-06, Filed 2018-11-30

#### 084 Heteroaromatic and Heterobicyclic Aromatic Derivatives for the Treatment of Ferroptosis-Related Disorders

John Warner, Carmen Baldino, Laura Muollo, John Lee, Srinivasa Cheruku, Rowan Walker, James Siedlecki, John Proudfoot, Shawn Johnstone, Mehdi Numa and Craig Rosenfeld

318 [US 2022/0144826](#) Published 2019-05-12, Filed 2020-03-10

319 [WO 2020/185738](#) Published 2020-09-17, Filed 2020-03-10

320 [AU 2020/234788](#) Published 2021-10-28, Filed 2020-03-10

321 BR 112021017831 Published 2021-11-30 Filed 2020-03-10

322 [CA 3133070](#) Published 2020-09-17, Filed 2020-03-10

323 [CN 113631535](#) Published 2021-09-11, Filed 2020-03-10

324 [EP 3938340](#) Published 2022-01-19, Filed 2020-03-10

325 [IL 286180](#) Published 2021-10-32, Filed 2021-09-05

326 IN 2021/37046034 Published 2022-01-14, Filed 2021-10-08

327 [JP 2022/523860](#) Published 2022-04-26, Filed 2020-03-10

328 [KR 10 2021/0137134](#) Published 2021-11-17, Filed 2020-03-10

329 MX 2021/010888. Filed 2020-03-10.